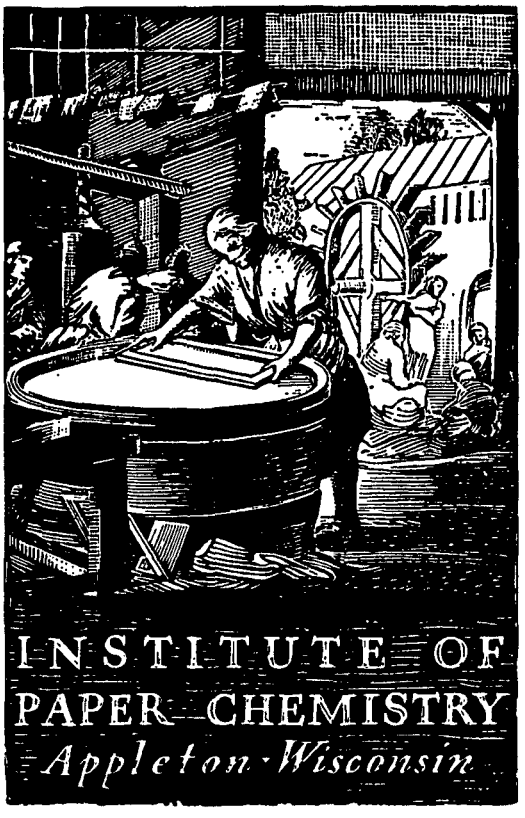

BASE-LINE

3rd Quarter, 1983

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1983)

Project 2694-1

Report Eighty-Nine
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
of the
AMERICAN PAPER INSTITUTE

December 1, 1983

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1983)

Project 2694-1

GEORGIA-PACIFIC CORPORATION
Your machine is identified in
the report by the following code

Toledo Machine #1 C2

Report Eighty-Nine

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

December 1, 1983

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1983)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (JUN-SEP, 1983)

Linerboard Grade lb.		Moisture Content			
		JUN	JUL	AUG	SEP
26 Lb	Max.	6.4	5.9	6.0	6.4
	Min.	3.2	2.8	3.5	1.7
	Ave.	5.2(17)	4.8(15)	4.9(14)	4.7(18)
33 Lb	Max.	6.3	6.1	6.7	6.4
	Min.	2.4	2.0	2.4	1.8
	Ave.	5.1(22)	4.9(26)	5.2(28)	5.1(24)
38 Lb	Max.	6.3	6.0	6.2	6.0
	Min.	3.8	4.8	4.3	4.9
	Ave.	5.4(14)	5.5(16)	5.4(17)	5.6(13)
42 Lb	Max.	6.5	6.4	6.5	7.1
	Min.	4.3	4.3	4.7	4.4
	Ave.	5.7(39)	5.7(36)	5.7(38)	5.7(37)
69 Lb	Max.	7.1	7.7	7.3	7.1
	Min.	5.2	5.2	5.1	5.0
	Ave.	6.3(26)	6.3(24)	6.2(26)	6.3(23)
90 Lb	Max.	7.3	8.3	7.7	8.5
	Min.	5.4	5.1	5.3	5.5
	Ave.	6.3(11)	6.2(13)	6.2(10)	6.5(10)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(JUN-SEP, 1983)

Linerboard Grace Wt.		Adjusted Basis Weight, lb/M sq ft			
		JUN	JUL	AUG	SEP
26 Lb	Max.	29.3	28.9	28.3	28.6
	Min.	26.0	26.0	26.1	26.1
	Ave.	26.6(17)	26.7(15)	26.5(14)	26.6(18)
33 Lb	Max.	34.7	34.8	34.3	34.2
	Min.	32.8	32.6	32.6	32.6
	Ave.	33.5(22)	33.5(26)	33.4(28)	33.4(24)
38 Lb	Max.	41.1	39.7	39.7	39.5
	Min.	38.0	37.7	38.1	38.2
	Ave.	38.6(14)	38.5(16)	38.6(17)	38.7(13)
42 Lb	Max.	43.4	43.4	43.1	43.3
	Min.	41.5	41.6	41.6	41.4
	Ave.	42.4(39)	42.5(36)	42.4(38)	42.4(37)
69 Lb	Max.	71.1	71.1	70.2	70.1
	Min.	68.0	68.1	68.2	68.2
	Ave.	69.5(26)	69.5(24)	69.4(26)	69.4(23)
90 Lb	Max.	92.8	92.5	92.0	91.7
	Min.	90.0	89.3	90.3	90.1
	Ave.	91.2(11)	90.9(13)	91.0(10)	90.8(10)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(JUN-SEP, 1983)

Linerboard Grade Wt.		Caliper, pt. JUN	JUL	AUG	SEP
26 Lb	Max.	8.7	8.1	8.5	9.3
	Min.	7.4	7.1	6.7	7.2
	Ave.	7.9(17)	7.8(15)	7.8(14)	7.9(18)
33 Lb	Max.	10.9	11.3	11.3	12.4
	Min.	8.7	8.8	8.5	8.2
	Ave.	9.9(22)	9.9(25)	9.7(27)	9.8(23)
38 Lb	Max.	11.6	11.5	12.3	11.9
	Min.	10.0	9.7	9.9	10.1
	Ave.	10.9(13)	10.8(15)	11.0(17)	10.8(13)
42 Lb	Max.	14.0	14.0	13.7	14.2
	Min.	10.6	10.5	9.7	9.7
	Ave.	12.0(38)	12.1(35)	12.0(37)	11.9(36)
69 Lb	Max.	21.3	21.0	22.1	21.4
	Min.	17.5	16.9	16.4	16.3
	Ave.	19.4(25)	19.4(24)	19.5(25)	19.5(23)
90 Lb	Max.	26.8	27.5	27.8	27.4
	Min.	22.9	22.9	23.1	22.4
	Ave.	25.2(11)	25.6(13)	25.5(10)	25.3(10)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(JUN-SEP, 1983)

Linerboard Grade Wt.		Bursting Strength, psig			
		JUN	JUL	AUG	SEP
26 Lb	Max.	76	82	80	83
	Min.	63	66	65	65
	Ave.	71(17)	72(15)	73(14)	72(18)
33 Lb	Max.	104	96	105	100
	Min.	77	76	78	78
	Ave.	86(22)	85(26)	86(28)	86(24)
38 Lb	Max.	104	106	107	104
	Min.	92	92	93	88
	Ave.	97(14)	99(16)	100(17)	97(13)
42 Lb	Max.	119	116	121	123
	Min.	98	98	100	100
	Ave.	106(39)	106(36)	106(38)	106(37)
69 Lb	Max.	163	161	162	159
	Min.	135	135	133	133
	Ave.	143(26)	143(24)	142(26)	142(23)
90 Lb	Max.	189	193	190	186
	Min.	155	154	162	159
	Ave.	174(11)	174(13)	175(10)	175(10)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA
(JUN-SEP, 1983)

Linerboard Grade Wt.		CD Ring Crush, lb			
		JUN	JUL	AUG	SEP
26 Lb	Max.	47.0	47.0	47.0	46.0
	Min.	29.0	33.0	31.0	31.0
	Ave.	37.5(9)	39.1(9)	39.8(8)	37.2(10)
33 Lb	Max.	61.0	61.0	62.0	60.0
	Min.	37.0	37.0	39.0	41.0
	Ave.	51.4(10)	50.9(13)	53.5(17)	51.4(12)
38 Lb	Max.	73.3	76.0	79.7	75.2
	Min.	55.0	55.0	53.0	54.0
	Ave.	62.7(11)	64.7(12)	65.2(15)	62.7(10)
42 Lb	Max.	100.1	84.0	86.3	83.0
	Min.	57.0	58.0	57.0	57.0
	Ave.	70.8(23)	70.6(21)	69.9(26)	68.5(23)
69 Lb	Max.	141.0	135.0	146.0	133.0
	Min.	91.0	98.0	103.0	102.0
	Ave.	114.7(18)	116.6(15)	116.2(19)	116.5(16)
90 Lb	Max.	160.0	171.0	193.0	185.0
	Min.	141.0	110.0	128.0	131.0
	Ave.	149.0(7)	145.7(9)	157.9(8)	150.4(7)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.2				25.7				26.4				8.2				84		
S1	4.9	4.8	102.1	98.0	25.5	25.7	99.2	98.1	26.3	26.6	98.9	99.2	7.8	7.6	102.6	98.7	71	75	94.7	100.0
F1	5.0	5.0	100.0	100.0	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	7.6	7.9	96.2	96.2	70	69	101.4	98.6
H1		5.2				26.0				26.1				8.0				70		
Y1		5.2				25.6				26.3				7.8				74		
G2	5.0	5.1	98.0	100.0	25.8	25.8	100.0	99.2	26.6	26.5	100.4	100.4	7.7	7.8	98.7	97.5	72	74	97.3	101.4
K2	4.8	4.7	102.1	96.0	25.2	25.3	99.6	96.9	26.0	26.2	99.2	98.1	8.1	8.0	101.2	102.5	72	70	102.8	101.4
Q2	5.0	5.2	96.2	100.0	25.1	25.5	102.4	100.4	26.9	26.2	102.7	101.5	7.3	7.6	96.0	92.4	73	72	101.4	102.8
B3	5.1	4.9	104.1	102.0	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	8.0	8.0	100.0	101.3	82	78	105.1	115.5
D3	5.2	5.2	100.0	104.0	26.5	26.4	100.4	101.9	26.6	26.6	100.0	100.4	7.9	7.7	102.6	100.0	68	67	101.5	95.8
F3		4.8				26.1				26.9				7.8				69		
Q3		7.0				26.2				26.3				7.6				74		
W3	5.6	5.8	96.6	112.0	26.2	26.2	100.0	100.8	26.3	26.2	100.4	99.2	8.1	7.8	103.8	102.5	72	69	104.3	101.4
M3	3.5	4.0	87.5	70.0	26.0	25.8	100.8	100.0	27.2	26.9	101.1	102.6	7.6	7.7	98.7	96.2	69	72	95.8	97.2
X3	4.8	4.4	109.1	96.0	25.6	25.4	100.8	98.5	26.4	26.3	100.4	99.6	8.1	8.7	93.1	102.5	72	78	92.3	101.4
C4	5.9	5.9	100.0	118.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	7.9	7.9	100.0	100.0	66	63	104.8	93.0
G4	5.6	5.3	105.7	112.0	26.1	26.4	98.9	100.4	26.7	27.1	99.5	100.8	8.0	8.4	95.2	101.3	69	68	101.5	97.2
I4		4.6				25.4				26.4				8.0				72		
L4		5.6				26.1				26.3				8.5				63		
M4	2.8	3.3	84.9	56.0	26.8	26.3	101.9	103.1	26.9	26.4	101.9	101.5	8.0	8.1	98.8	101.3	78	80	97.5	109.8
Q4		5.8				26.0				26.1				8.6				74		
Q4	5.6	5.8	96.6	112.0	26.1	26.1	100.0	100.4	26.7	26.6	100.4	100.8	7.5	7.3	102.7	94.9	67	66	101.5	94.4
T4		4.5				26.8				26.8				7.7				73		
U4	3.4	3.5	97.1	68.0	27.6	26.5	104.2	106.2	28.9	27.8	104.0	109.0	7.1	7.5	94.7	89.9	79	72	109.7	111.3
FNBG DATA																				
CUR. AV.	4.8				26.1				26.7				7.8				72			
CUM. AV.	5.0				26.0				26.5				7.9				71			
INC. *C	96.0				100.4				100.8				98.7				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.1	5.2	98.1	102.0	25.6	25.7	99.6	98.5	26.3	26.4	99.6	99.2	8.2	8.2	100.0	103.8	76	94	90.5	107.0
E1		4.8				25.7				26.5				7.6				74		
F1	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.7	7.9	97.5	97.5	71	69	102.9	100.0
H1		5.2				26.0				26.1				8.1				70		
Y1		5.2				25.6				26.3				7.8				74		
G2	5.2	5.1	102.0	104.0	26.0	25.8	100.8	100.0	26.7	26.5	100.8	100.8	7.9	7.7	102.6	100.0	80	74	108.1	112.7
K2	4.7	4.7	100.0	94.0	25.4	25.4	100.0	97.7	26.3	26.2	100.4	99.2	8.5	8.0	106.2	107.6	74	71	104.2	104.2
C2	4.9	5.2	94.2	98.0	25.6	25.6	100.0	98.5	26.4	26.3	100.4	99.6	6.7	7.6	88.2	84.3	71	72	98.6	100.0
B3	5.0	4.9	102.0	100.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	7.9	8.0	98.8	100.0	80	78	102.6	112.7
J3	5.8	5.2	111.5	116.0	26.3	26.4	99.6	101.2	26.4	26.6	99.2	99.6	7.9	7.7	102.6	100.0	67	68	98.5	94.4
F3		4.8				26.1				26.9				7.8				69		
O3		7.0				26.2				26.3				7.6				74		
W3	5.3	5.8	91.4	106.0	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.9	7.9	7.8	101.3	100.0	67	69	97.1	94.4
M3	4.2	3.9	107.7	84.0	26.0	25.9	100.4	100.0	27.0	27.0	100.0	101.9	7.7	7.7	100.0	97.5	67	71	94.4	94.4
X3	4.5	4.4	102.3	90.0	25.6	25.4	100.8	98.5	26.5	26.3	100.8	100.0	7.9	8.6	91.9	100.0	78	78	100.0	109.8
C4	6.0	5.9	101.7	120.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	7.5	7.9	94.9	94.9	65	63	103.2	91.5
G4	5.4	5.4	100.0	108.0	25.4	26.3	96.6	97.7	26.1	27.0	96.7	98.5	7.8	8.3	94.0	98.7	70	69	101.4	98.6
I4		4.6				25.4				26.4				8.0				72		
L4		5.6				26.1				26.3				8.5				63		
M4	3.5	3.2	109.4	70.0	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.4	8.5	8.1	104.9	107.6	78	79	98.7	109.8
O4		5.8				26.0				26.1				8.6				74		
Q4		5.8				26.1				26.6				7.3				66		
T4		4.4				26.7				26.8				7.7				72		
U4	3.5	3.5	100.0	70.0	27.0	26.6	101.5	103.8	28.3	27.9	101.4	106.8	7.0	7.4	94.6	88.6	76	72	105.6	107.0
FRBG DATA																				
CUR. AV.	4.9				26.0				26.5				7.9				73			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	98.0				100.0				100.0				98.7				102.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.2				25.7				26.4				8.2				83		
E1	4.9	4.8	102.1	98.0	25.6	25.7	99.6	98.5	26.4	26.5	99.6	99.6	8.0	7.6	105.3	101.3	74	74	100.0	104.2
F1	5.0	5.0	100.0	100.0	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	7.9	7.9	98.7	98.7	69	70	98.6	97.2
H1	5.1	5.1	100.0	102.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.8	8.1	96.3	98.7	80	70	114.3	112.7
Y1		5.2				25.6				26.3				7.8				74		
D2	1.7			34.0	26.8			103.1	28.6			107.9	9.3			117.7	68			95.8
G2	5.0	5.1	98.0	100.0	25.9	25.8	100.4	99.6	26.7	26.5	100.8	100.8	7.9	7.8	101.3	100.0	83	74	112.2	116.9
K2		4.7				25.4				26.3				8.1				72		
Q2	5.2	5.1	102.0	104.0	25.6	25.6	100.0	98.5	26.3	26.3	100.0	99.2	7.3	7.4	98.6	92.4	69	72	95.8	97.2
S3	5.0	4.9	102.0	100.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.4	8.0	105.0	106.3	82	78	105.1	115.5
D3	5.3	5.3	100.0	106.0	26.5	26.4	100.4	101.9	26.6	26.6	100.0	100.4	7.7	7.8	98.7	97.5	68	68	100.0	95.8
F3	4.8	4.8	100.0	96.0	26.0	26.1	99.6	100.0	26.9	26.9	100.0	101.5	7.9	7.9	100.0	100.0	76	69	110.1	107.0
Q3	6.4	7.0	91.4	128.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	7.4	7.6	97.4	93.7	70	74	94.6	98.5
V3	6.2	5.7	108.8	124.0	26.0	26.2	99.2	100.0	26.1	26.3	99.2	98.5	7.8	7.8	100.0	98.7	65	69	94.2	91.5
W3	4.1	3.9	105.1	82.0	25.8	25.9	99.6	99.2	26.8	27.0	99.2	101.1	7.8	7.7	101.3	98.7	69	71	97.2	97.2
X3	4.4	4.4	100.0	88.0	25.7	25.5	100.8	98.8	26.7	26.4	101.1	100.8	7.9	8.2	96.3	100.0	73	78	93.6	102.8
C4	5.8	5.8	100.0	116.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	7.6	7.8	97.4	96.2	66	64	103.1	93.0
G4	5.4	5.4	100.0	108.0	25.4	26.2	96.9	97.7	26.1	26.9	97.0	98.5	7.8	8.3	94.0	98.7	70	69	101.4	98.6
I4	4.4	4.6	95.6	88.0	25.6	25.4	100.8	98.5	26.5	26.4	100.4	100.0	8.1	8.0	101.2	102.5	68	72	94.4	95.8
L4		5.6				26.1				26.3				8.5				63		
M4	3.0	3.2	93.8	60.0	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.4	8.6	8.2	104.9	108.9	76	78	97.4	107.0
O4		5.8				26.0				26.1				8.6				74		
Q4		5.8				26.0				26.6				7.4				66		
T4		4.4				26.8				26.8				7.7				72		
U4	3.5	3.5	100.0	70.0	26.6	26.7	99.6	102.3	27.9	28.0	99.6	105.3	7.2	7.4	97.3	91.1	78	72	108.3	109.8

FRBG DATA

CUR. AV.	4.7				26.0				26.6				7.9				72			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	94.0				100.0				100.4				100.0				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
E1	36.6	33.8	108.3	101.7		34.2			33.0	34.2	96.5	90.2
F1	34.0	32.5	104.6	94.4	38.0	32.7	116.2	104.4	35.0	33.4	104.8	95.6
H1		34.0				34.6			35.0	34.8	100.6	95.6
Y1												
D2												
G2												
K2		33.1				33.6				33.9		
Q2	40.5	36.6	110.6	112.5	40.0	37.1	107.8	109.9	37.5	37.1	101.1	102.4
B3	45.0	41.2	109.2	125.0	47.0	41.6	113.0	129.1	46.0	42.2	109.0	125.7
D3												
F3												
O3		29.8				29.8				29.8		
V3												
W3	40.0	35.6	112.4	111.1	38.0	36.2	105.0	104.4	36.0	36.4	98.9	98.4
X3	47.0	42.8	109.8	130.6	46.0	45.5	101.1	126.4	43.0	46.2	93.1	117.5
C4												
G4	33.0	32.6	101.2	91.7	31.0	32.6	95.1	85.2	31.0	32.4	95.7	94.7
I4												
L4		33.8				33.8				33.9		
M4	34.0	39.6	85.8	94.4	35.0	38.5	90.9	96.2	34.0	37.8	89.9	92.9
O4		38.0				38.0				38.0		
S4												
T4		34.9				35.0				35.3		
U4	42.0	40.6	103.4	116.7	43.0	40.7	105.6	118.1	42.0	40.8	102.9	114.8
FREE DATA												
CUR. AV.	39.1				39.8				37.2			
CUM. AV.	36.0				36.4				36.6			
IND. *C	108.6				109.3				101.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	4.7	4.9	95.9	94.0	32.3	32.5	99.4	98.8	33.4	33.5	99.7	100.0	10.2	9.6	106.2	104.1	86	100	86.0	101.2
E1	5.3	4.9	108.2	106.0	32.4	32.4	100.0	99.1	33.3	33.4	99.7	99.7	9.6	9.6	100.0	98.3	91	90	101.1	107.0
F1	5.1	5.1	100.0	102.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.7	9.7	100.0	99.0	86	85	101.2	101.2
G1	2.0	2.2	90.9	40.0	32.3	32.2	100.3	98.8	34.3	34.2	100.3	102.7	9.7	9.7	100.0	99.3	84	89	94.4	98.8
H1		5.8				33.0				33.1				9.6				84		
X1	6.1	6.0	101.7	122.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	9.2	8.9	103.4	93.9	88	84	104.8	103.5
Y1	5.7	5.4	105.6	114.0	32.3	32.3	100.0	98.8	33.0	33.2	99.4	98.8	9.6	9.3	103.2	98.0	90	88	102.3	105.9
C2	4.5	4.4	102.3	90.0	32.3	32.5	99.4	98.8	32.6	32.8	99.4	97.6	9.7	10.0	97.0	99.0	76	82	92.7	89.4
D2	2.8	2.4	116.7	56.0	33.0	32.3	102.2	100.9	34.8	34.2	101.8	104.2	10.9	10.5	103.8	111.2	82	84	97.6	96.5
G2	5.2	5.1	102.0	104.0	32.6	32.5	100.3	99.7	33.5	33.4	100.3	100.3	9.7	10.1	96.0	99.0	83	82	101.2	97.6
K2	5.3	5.4	98.1	106.0	32.1	32.0	100.3	98.2	33.0	32.8	100.6	98.8	9.9	10.2	97.0	101.0	93	87	106.9	109.4
Q2	5.3	5.6	94.6	106.0	32.6	32.5	100.3	99.7	33.5	33.3	100.6	100.3	9.2	9.4	97.9	93.9	83	88	94.3	97.5
V2		5.8				33.2				33.3				10.3				92		
X2		6.1				33.0				33.1				8.5				86		
Z2		4.6				32.8				34.0				9.2				104		
B3	5.1	5.1	100.0	102.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.1	10.2	99.0	103.1	95	92	103.3	111.8
D3	5.9	5.6	105.4	118.0	33.5	33.4	100.3	102.4	33.6	33.5	100.3	100.6	10.0	9.8	102.0	102.0	79	81	97.5	92.9
F3	5.4	5.3	101.9	108.0	33.1	32.8	100.9	101.2	34.0	33.7	100.9	101.8	9.9	9.8	101.0	101.0	79	81	97.5	92.9
J3	6.0	6.0	100.0	120.0	33.1	33.2	99.7	101.2	33.2	33.2	100.0	99.4					79	80	98.8	92.9
K3	5.8	4.6	126.1	116.0	32.8	32.4	101.2	100.3	33.5	33.6	99.7	100.3	9.6	9.6	100.0	98.0	91	98	92.8	107.0
M3	2.3	2.4	95.8	46.0	32.6	32.2	101.2	99.7	34.6	34.0	101.8	103.6	11.3	11.1	101.8	115.3	84	83	101.2	98.8
O3		6.4				33.0				33.0				9.8				92		
V3	6.0	6.0	100.0	120.0	32.9	33.0	99.7	100.6	33.1	33.2	99.7	99.1	10.5	9.7	108.2	107.1	90	82	97.6	94.1
W3	4.4	4.4	100.0	88.0	32.9	32.7	100.6	100.6	34.1	33.9	100.6	102.1	9.7	9.6	101.0	99.0	85	87	97.7	100.0
X3	5.9	5.2	113.5	118.0	32.8	32.3	101.5	100.3	33.5	33.2	100.9	100.3	10.0	11.1	90.1	102.0	90	90	100.0	105.9
C4	5.6	6.1	91.8	112.0	32.8	33.0	99.4	100.3	32.9	33.0	99.7	98.5	10.2	10.2	100.0	104.1	86	84	102.4	101.2
G4	5.5	5.5	100.0	110.0	32.2	32.5	99.1	98.5	33.0	33.3	99.1	98.8	10.0	10.1	99.0	102.0	82	79	103.8	96.5
H4		4.7				32.5				33.6				9.3				91		
I4	4.7	5.2	90.4	94.0	32.5	32.4	100.3	99.4	33.6	33.3	100.9	100.6	9.6	9.9	97.0	98.0	84	83	101.2	98.8
L4		5.8				33.1				33.4				10.3				77		
M4	3.7	4.2	88.1	74.0	33.3	33.3	100.0	101.8	33.4	33.4	100.0	100.0	9.8	10.0	98.0	100.0	96	93	103.2	112.9
O4		5.8				33.0				33.1				10.4				90		
Q4	5.7	5.8	98.3	114.0	32.9	32.8	100.3	100.6	33.7	33.5	100.6	100.9	9.7	9.4	103.2	99.0	80	80	100.0	94.1
T4		5.0				33.2				33.3				9.0				88		
U4	4.0	4.2	95.2	80.0	33.4	32.4	103.1	102.1	34.8	33.6	103.6	104.2	8.8	9.2	95.6	89.8	90	83	108.4	105.9
FRBG DATA																				
CUR. AV.	4.9				32.8				33.5				9.9				85			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *C	98.0				100.3				100.3				101.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.0	4.8	104.2	100.0	32.8	32.5	100.9	100.3	33.8	33.5	100.9	101.2	9.6	9.7	99.0	97.0	98	98	100.0	115.3
E1	5.1	5.0	102.0	102.0	32.4	32.4	100.0	99.1	33.3	33.4	99.7	99.7	9.6	9.6	100.0	97.0	88	90	97.8	103.5
F1	5.1	5.1	100.0	102.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	9.7	101.0	99.0	83	85	97.6	97.6
G1	2.4	2.2	109.1	48.0	32.4	32.2	100.6	99.1	34.3	34.2	100.3	102.7	9.5	9.6	99.0	96.0	91	89	102.2	107.0
H1	5.0	5.8	86.2	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.3	9.6	96.9	93.9	95	84	113.1	111.8
K1	6.2	6.0	103.3	124.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	9.8	9.0	97.8	88.9	67	85	102.4	102.4
Y1	5.5	5.5	100.0	110.0	32.4	32.3	100.3	99.1	33.2	33.1	100.3	99.4	8.9	9.3	95.7	89.9	96	88	109.1	112.9
C2	4.7	4.4	106.8	94.0	32.3	32.5	99.4	98.8	32.6	32.8	99.4	97.6	9.7	10.0	97.0	98.0	79	81	97.5	92.9
D2	4.8	2.5	192.0	96.0	32.5	32.4	100.3	99.4	33.6	34.2	98.2	100.6	11.0	10.6	103.8	111.1	84	84	100.0	98.8
G2	5.3	5.1	103.9	106.0	32.9	32.5	101.2	100.6	33.8	33.4	101.2	101.2	10.2	10.0	102.0	103.0	82	82	100.0	96.5
K2	5.5	5.4	101.8	110.0	32.2	32.0	100.6	98.5	33.0	32.9	100.3	98.8	10.3	10.2	101.0	104.0	89	88	101.1	104.7
Q2	4.7	5.5	85.4	94.0	32.1	32.5	98.8	98.2	33.2	33.3	99.7	99.4	9.0	9.4	95.7	90.9	79	87	90.8	92.9
W2		5.8				33.2				33.3				10.3				92		
X2	6.7	6.1	109.8	134.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	8.5	115.3	99.0	85	86	98.8	100.0
Z2	6.3	4.6	137.0	126.0	33.4	32.8	101.8	102.1	33.9	34.0	99.7	101.5	9.7	9.2	105.4	98.0	105	104	101.0	123.5
B3	5.0	5.1	98.0	100.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	9.8	10.2	96.1	99.0	93	93	100.0	109.4
D3	5.9	5.6	105.4	118.0	33.4	33.4	100.0	102.1	33.5	33.5	100.0	100.3	9.8	9.8	100.0	99.0	80	81	98.8	94.1
F3	5.3	5.3	100.0	106.0	33.1	32.9	100.6	101.2	34.0	33.8	100.6	101.8	9.8	9.8	100.0	99.0	78	81	96.3	91.8
J3	5.8	6.0	96.7	116.0	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1					82	80	102.5	96.5
M3	5.4	4.8	112.5	108.0	32.4	32.6	99.4	99.1	33.2	33.6	98.8	99.4	9.4	9.6	97.9	94.9	89	96	92.7	104.7
N3	3.5	2.4	145.8	70.0	32.3	32.2	100.3	98.8	33.8	34.1	99.1	101.2	11.3	11.1	101.8	114.1	89	94	106.0	104.7
Q3		6.4				33.0				33.0				9.8				92		
V3	6.1	6.0	101.7	122.0	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	9.8	9.8	100.0	99.0	81	82	98.8	95.3
W3	4.3	4.4	97.7	86.0	32.4	32.7	99.1	99.1	33.6	33.9	99.1	100.6	9.8	9.7	101.0	99.0	84	87	96.6	98.8
X3	5.3	5.4	98.1	106.0	33.3	32.3	103.1	101.8	34.2	33.2	103.0	102.4	10.5	11.0	95.4	106.1	87	90	96.7	102.4
C4	6.2	6.0	103.3	124.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	10.4	10.2	102.0	105.0	34	84	100.0	98.8
G4	5.8	5.5	105.4	116.0	31.9	32.5	98.2	97.6	32.6	33.3	97.9	97.6	9.1	10.1	90.1	91.9	79	79	100.0	92.9
H4		4.7				32.5				33.6				9.3				91		
I4	5.4	5.2	103.8	108.0	32.5	32.4	100.3	99.4	33.3	33.3	100.0	99.7	9.2	9.8	93.9	92.9	81	83	97.6	95.3
L4		5.8				33.1				33.4				10.3				77		
M4		4.0				33.3				33.4				9.9				94		
O4		5.8				33.0				33.1				10.4				90		
Q4	5.6	5.8	96.6	112.0	32.7	32.8	99.7	100.0	33.5	33.5	100.0	100.3	9.5	9.4	101.1	96.0	81	81	100.0	95.3
T4		5.0				33.1				33.2				9.0				83		
U4	4.0	4.2	95.2	80.0	32.3	32.4	99.7	98.8	33.6	33.7	99.7	100.6	8.5	9.2	92.4	85.3	88	84	104.8	103.5
FREE DATA																				
CUR. AV.	5.2				32.7				33.4				9.7				86			
CUM. AV.	5.0				32.7				33.4				9.9				85			
IND. *C	104.0				100.0				100.0				98.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	4.5	4.8	93.8	90.0	31.8	32.5	97.8	97.2	32.9	33.6	97.9	98.5	9.1	9.7	93.8	92.8	100	98	102.0	117.6
E1	5.1	5.0	102.0	102.0	32.3	32.4	99.7	98.8	33.2	33.4	99.4	99.4	9.5	9.6	99.0	96.9	87	89	97.8	102.4
F1	5.0	5.1	98.0	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.6	9.7	99.0	98.0	86	85	101.2	101.2
G1	1.8	2.2	81.8	36.0	32.1	32.2	99.7	98.2	34.2	34.2	100.0	102.4	9.5	9.6	99.0	96.9	99	89	111.2	116.5
H1		5.4				33.0				33.1				9.5				88		
K1	6.1	6.0	101.7	122.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	8.6	9.0	95.6	87.3	87	85	102.4	102.4
V1	5.7	5.5	103.6	114.0	32.3	32.3	100.0	98.8	33.0	33.1	99.7	98.8	9.2	9.2	100.0	93.9	88	89	98.9	103.5
C2	4.7	4.4	106.8	94.0	32.3	32.4	99.7	98.8	32.6	32.8	99.4	97.6	9.7	9.9	98.0	99.0	79	81	97.5	92.9
D2	4.3	2.7	159.2	86.0	32.7	32.4	100.9	100.0	33.9	34.2	99.1	101.5	11.3	10.6	106.6	115.3	85	84	101.2	100.0
G2	5.4	5.1	105.9	108.0	32.8	32.5	100.9	100.3	33.7	33.5	100.6	100.9	10.5	10.0	105.0	107.1	83	82	101.2	97.6
K2		5.4				32.1				32.9				10.2				88		
Q2	5.7	5.5	103.6	114.0	32.5	32.5	100.0	99.4	33.2	33.3	99.7	99.4	8.9	9.3	95.7	90.8	81	87	93.1	95.3
V2		5.8				33.2				33.3				10.3				92		
X2		6.4				33.0				33.1				9.2				86		
Z2	5.1	5.2	98.1	102.0	33.1	33.0	100.3	101.2	34.1	33.9	100.6	102.1	9.5	9.4	101.1	96.9	98	105	93.3	115.3
B3	5.1	5.1	100.0	102.0	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1	10.1	10.2	99.0	103.1	92	93	98.9	108.2
D3	5.9	5.6	105.4	118.0	33.4	33.4	100.0	102.1	33.5	33.5	100.0	100.3	9.8	9.8	100.0	100.0	80	81	98.8	94.1
F3	5.5	5.3	103.8	110.0	33.2	32.9	100.9	101.5	34.0	33.8	100.6	101.8	9.9	9.8	101.0	101.0	84	80	105.0	98.8
J3	5.9	6.0	98.3	118.0	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1					83	80	103.8	97.6
K3		4.9				32.5				33.6				9.6				96		
M3	3.6	2.5	144.0	72.0	32.7	32.2	101.6	100.0	34.2	34.1	100.3	102.4	12.4	11.1	111.7	126.5	83	84	98.8	97.6
O3	6.4	6.4	100.0	128.0	33.2	33.0	100.6	101.5	33.3	33.0	100.9	99.7	9.3	9.8	94.9	94.9	87	92	94.6	102.4
W3	5.9	6.0	98.3	118.0	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	10.1	9.8	103.1	103.1	81	82	98.8	95.3
W3	4.7	4.4	106.8	94.0	32.8	32.7	100.3	100.3	33.9	33.9	100.0	101.5	9.8	9.8	100.0	100.0	86	86	100.0	101.2
X3	5.3	5.4	98.1	106.0	33.0	32.5	101.5	100.9	33.9	33.3	101.8	101.5	9.8	10.8	90.7	100.0	90	90	100.0	105.9
C4		6.0				32.9				33.0				10.2				84		
G4	5.4	5.6	96.4	108.0	32.0	32.4	98.8	97.8	32.8	33.2	98.8	98.2	9.8	10.0	98.0	100.0	81	79	102.5	95.3
H4		4.5				32.5				33.6				9.3				88		
I4	5.5	5.2	105.8	110.0	32.6	32.4	100.6	99.7	33.4	33.3	100.3	100.0	10.3	9.7	106.2	105.1	81	83	97.6	95.3
L4		5.8				33.1				33.4				10.3				77		
M4		4.0				33.3				33.4				9.9				94		
O4		5.8				33.0				33.1				10.4				93		
Q4	5.1	5.8	97.9	102.0	32.4	32.7	99.1	99.1	33.3	33.5	99.4	99.7	9.7	9.5	102.1	99.0	79	81	96.3	91.9
T4		4.9				33.2				33.3				9.0				88		
U4	3.9	4.2	92.8	78.0	32.1	32.5	98.8	98.2	33.4	33.7	99.1	100.0	8.2	9.1	90.1	83.7	85	84	101.2	100.0
FNBG DATA																				
CUR. AV.	5.1				32.7				33.4				9.8				86			
CUM. AV.	5.0				32.7				33.4				9.8				85			
INC. *C	102.0				100.0				100.0				100.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LE FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
E1	51.0	51.8	98.4	102.6	51.0	51.7	98.6	102.4	46.0	51.6	89.1	91.8
F1	47.0	44.9	104.7	94.6	51.0	45.2	112.8	102.4	48.0	45.9	104.6	95.8
G1					62.0			124.5		62.0		
H1		43.8			50.0	45.0	111.1	100.4		46.3		
K1												
Y1	50.0			100.6	59.0	50.0	118.0	118.5	55.0	54.5	100.9	109.8
C2	49.0	41.9	116.9	98.6	48.0	42.9	111.9	96.4	49.0	43.6	112.4	97.8
D2					62.0			124.5		62.0		
G2												
K2		49.7				49.5				49.6		
Q2	53.8	52.9	101.7	108.2	49.0	53.0	92.4	98.4	56.6	52.5	107.8	113.0
V2		57.0				57.0				57.0		
X2												
Z2		60.0			59.0	60.0	98.3	118.5	48.0	59.7	80.4	95.8
B3	60.0	56.0	107.1	120.7	58.0	56.5	102.6	116.5	57.0	56.8	100.4	113.8
D3												
F3												
J3	44.0	49.9	88.2	88.5	49.0	49.3	99.4	98.4	50.0	49.1	101.8	99.8
K3	52.0	52.1	99.8	104.6	47.0	51.0	92.2	94.4		50.5		
M3					60.0			120.5		60.0		
Q3		43.2				43.2				43.2		
V3												
W3	61.0	53.8	113.4	122.7	61.0	54.9	111.1	122.5	54.0	55.5	97.3	107.8
X3	56.0	53.6	104.5	112.7	51.0	53.1	96.0	102.4	60.0	53.8	111.5	119.6
C4												
G4	37.0	40.3	91.8	74.4	39.0	39.9	97.7	78.3	41.0	40.0	102.5	81.8
H4		65.9				65.9				63.8		
I4												
L4		46.7				46.7				45.8		
M4	46.0	48.0	95.8	92.6		47.0				47.0		
O4		51.5				51.5				51.5		
Q4												
T4		50.2				49.3				50.0		
U4	55.0	53.6	102.6	110.7	53.0	53.5	99.1	106.4	52.0	53.7	96.8	103.8
FNBG DATA												
CUR. AV.	50.9				53.5				51.4			
CUM. AV.	49.7				49.8				50.1			
IND. *D	102.4				107.4				102.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.2				37.7				38.8				11.1				109		
D1		4.4				37.1				38.5				10.5				96		
E1	5.6	5.1	109.8	103.7	37.2	37.3	99.7	98.2	38.1	38.4	99.2	99.0	11.0	11.1	99.1	100.9	97	100	97.0	99.0
F1	6.0	5.9	101.7	111.1	38.0	38.0	100.0	100.3	38.1	38.1	100.0	99.0	10.6	10.8	98.1	97.2	97	94	103.2	99.0
G1		3.6				37.8				39.4				10.9				99		
H1		5.8				38.0				38.9				10.6				96		
Y1		6.0				37.4				38.1				10.6				91		
G2		5.4				37.5				38.4				11.1				93		
K2	5.9	5.8	101.7	109.2	36.9	37.1	99.5	97.4	37.7	37.9	99.5	97.9	11.5	11.4	100.9	105.5	105	103	101.9	107.1
V2		5.5				38.2				38.3				10.6				99		
Z2	5.6	5.6	100.0	103.7	37.8	37.8	100.0	99.7	38.7	38.7	100.0	100.5	10.9	11.1	98.2	100.0	104	104	100.0	106.1
93	5.4	5.4	100.0	100.0	38.2	38.2	100.0	100.8	38.3	38.2	100.3	99.5	11.5	11.5	100.0	105.5	102	101	101.0	104.1
D3		5.6				38.4				38.5				10.6				96		
F3		5.6				37.8				38.7				10.8				89		
H3		5.9				37.6				38.3				11.4				90		
J3	6.0	6.0	100.0	111.1	38.0	38.2	99.5	100.3	38.1	38.4	99.2	99.0					92	92	100.0	93.9
K3	5.8	4.8	120.8	107.4	37.5	37.3	100.5	98.9	38.3	38.5	99.5	99.5	10.7	10.6	100.9	98.2	105	105	100.0	107.1
L3		5.8				38.0				38.1				10.9				95		
M3		3.6				36.7				38.4				12.6				101		
Q3	5.5	5.6	98.2	101.8	37.6	37.7	99.7	99.2	38.5	38.6	99.7	100.0	10.8	10.7	100.9	99.1	106	102	103.9	108.2
R3	5.4	5.5	98.2	100.0	39.2	38.6	101.6	103.4	39.3	38.7	101.6	102.1	10.9	10.6	102.8	100.0	98	96	102.1	100.0
S3	5.2	5.6	92.8	96.3	37.6	37.7	99.7	99.2	38.7	38.6	100.2	100.5	11.3	10.9	103.7	103.7	93	99	93.9	94.9
V3	6.0	6.2	96.8	111.1	38.0	38.0	100.0	100.3	38.2	38.2	100.0	99.2	11.3	11.1	101.8	103.7	95	95	100.0	96.9
W3	5.0	4.9	102.0	92.6	37.5	37.6	99.7	98.9	38.6	38.8	99.5	100.2	10.4	11.0	94.5	95.4	94	98	95.9	95.9
X3		6.1				37.6				38.2				11.4				103		
P4	5.4	5.3	101.9	100.0	37.7	37.5	100.5	99.5	38.7	38.5	100.5	100.5	10.2	10.6	96.2	93.6	98	100	98.0	100.0
M4	4.8	4.7	102.1	88.9	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.7	11.4	11.3	100.9	104.6	106	108	98.1	108.2
O4		5.8				38.0				38.1				12.0				96		
P4		5.7				38.2				38.4				10.9				92		
T4	5.8	5.7	101.8	107.4	38.4	38.2	100.5	101.3	38.5	38.3	100.5	100.0	9.8	10.1	97.0	89.9	99	99	100.0	101.0
U4	5.3	5.1	103.9	98.1	38.7	38.6	100.2	102.1	39.7	39.7	100.0	103.1	9.7	10.4	93.3	89.0	95	95	100.0	96.9
FKBG DATA																				
CUR. AV.	5.5				37.9				38.5				10.8				99			
CUM. AV.	5.4				37.9				38.5				10.9				98			
IND. *C	101.8				100.0				100.0				99.1				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.2				37.7				38.8				11.1				109		
C1		4.4				37.1				38.5				10.5				96		
E1	5.2	5.1	102.0	96.3	37.2	37.3	99.7	98.2	38.2	38.4	99.5	99.2	11.3	11.1	101.8	103.7	96	100	96.0	98.0
F1	6.1	5.9	103.4	113.0	38.0	38.0	100.0	100.3	38.1	38.1	100.0	99.0	11.0	10.8	101.8	100.9	93	95	97.9	94.9
G1	4.3	3.6	119.4	79.6	37.1	37.8	98.1	97.9	38.5	39.4	97.7	100.0	10.6	10.8	98.1	97.2	102	99	103.0	104.1
W1		5.8				38.0				38.9				10.6				96		
Y1		6.0				37.4				38.1				10.6				91		
G2		5.4				37.5				38.5				11.0				93		
K2		5.8				37.1				37.9				11.4				103		
V2	5.6	5.5	101.8	103.7	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5	10.5	10.6	99.0	96.3	107	99	108.1	109.2
Z2	5.9	5.6	105.4	109.2	38.0	37.8	100.5	100.3	38.8	38.7	100.2	100.8	11.3	11.0	102.7	103.7	107	104	102.9	109.2
B3	5.5	5.4	101.8	101.8	38.1	38.2	99.7	100.5	38.2	38.3	99.7	99.2	11.3	11.5	98.3	103.7	103	101	102.0	105.1
C3	5.8	5.6	103.6	107.4	38.3	38.4	99.7	101.0	38.4	38.5	99.7	99.7	10.7	10.6	100.9	98.2	95	97	97.9	96.9
F3		5.6				37.9				38.8				10.9				89		
H3		5.9				37.6				38.3				11.4				90		
J3		6.0				38.2				38.3								91		
K3	5.6	4.8	116.7	103.7	37.4	37.3	100.3	98.7	38.3	38.5	99.5	99.5	11.0	10.6	103.8	100.9	98	105	93.3	100.0
L3		5.8				38.0				38.1				10.9				95		
M3	4.7	3.6	130.6	87.0	37.4	36.7	101.9	98.7	38.7	38.4	100.8	100.5	12.3	12.6	97.6	112.8	100	101	99.0	102.0
Q3	5.1	5.6	91.1	94.4	37.3	37.7	98.9	98.4	38.4	38.6	99.5	99.7	10.6	10.7	99.1	97.2	97	102	95.1	99.0
R3		5.5				38.7				38.9				10.7				96		
S3	5.3	5.6	94.6	98.1	38.0	37.7	100.8	100.3	39.0	38.6	101.0	101.3	11.8	11.0	107.3	108.2	102	99	103.0	104.1
V3	6.2	6.2	100.0	114.8	38.2	38.0	100.5	100.8	38.4	38.2	100.5	99.7	11.3	11.1	101.8	103.7	95	95	100.0	96.9
W3	4.8	4.9	98.0	88.9	37.7	37.6	100.3	99.5	38.9	38.8	100.2	101.0	10.8	11.0	98.2	99.1	95	98	96.9	95.9
X3		6.1				37.5				38.2				11.3				100		
H4	5.5	5.3	103.8	101.8	37.8	37.5	100.8	99.7	38.7	38.6	100.2	100.5	11.5	10.6	108.5	105.5	106	99	107.1	108.2
M4	4.8	4.6	104.3	88.9	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.7	11.7	11.3	103.5	107.3	104	103	96.3	106.1
O4		5.8				38.0				38.1				12.0				96		
P4		5.7				38.2				38.4				10.9				92		
T4	5.9	5.7	103.5	109.2	38.6	38.2	101.0	101.8	38.7	38.3	101.0	100.5	10.3	10.1	102.0	94.5	100	99	101.0	102.0
U4	5.1	5.2	98.1	94.4	38.6	38.7	99.7	101.8	39.7	39.8	99.7	103.1	9.9	10.3	96.1	90.8	95	95	100.0	96.9
FKBG DATA																				
CUR. AV.	5.4				37.9				38.6				11.0				100			
CUM. AV.	5.4				37.9				38.5				10.9				98			
INC. *D	100.0				100.0				100.2				100.9				102.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.2				37.7				38.8				11.1				109		
D1		4.4				37.1				38.5				10.5				96		
E1	5.2	5.1	102.0	96.3	37.2	37.3	99.7	98.2	38.2	38.4	99.5	99.2	11.1	11.1	100.0	101.8	98	99	99.0	100.0
F1	6.0	5.9	101.7	111.1	38.1	38.0	100.3	100.5	38.2	38.1	100.3	99.2	11.0	10.8	101.8	100.9	95	95	100.0	96.9
G1		3.7				37.5				39.2				10.7				100		
H1	6.0	5.8	103.4	111.1	38.3	38.1	100.5	101.0	39.1	38.9	100.5	101.6	10.2	10.5	97.1	93.6	88	95	92.6	89.9
Y1		6.0				37.4				38.1				10.6				91		
G2		5.4				37.5				38.4				10.8				94		
K2		5.8				37.2				38.0				11.4				104		
W2		5.5				38.2				38.3				10.6				100		
Z2	5.9	5.6	105.4	109.2	38.6	37.8	102.1	101.8	39.4	38.7	101.8	102.3	11.0	11.1	99.1	100.9	104	103	101.0	106.1
B3	5.5	5.4	101.8	101.8	38.1	38.2	99.7	100.5	38.2	38.2	100.0	99.2	11.2	11.5	97.4	102.8	102	101	101.0	104.1
D3		5.6				38.4				38.5				10.6				96		
F3		5.8				38.0				38.8				10.9				88		
H3		5.9				37.6				38.3				11.4				90		
J3		6.0				38.2				38.3								91		
K3	5.8	4.9	118.4	107.4	37.5	37.3	100.5	98.9	38.3	38.5	99.5	99.5	10.7	10.6	100.9	98.2	97	104	93.3	99.0
L3		5.8				38.0				38.1				10.9				95		
M3		4.0				36.9				38.5				12.5				101		
Q3		5.5				37.6				38.5				10.7				102		
R3	5.5	5.5	100.0	101.8	39.0	38.7	100.8	102.9	39.1	38.8	100.8	101.6	11.0	10.7	102.8	100.9	96	96	100.0	98.0
S3		5.5				37.7				38.6				11.1				99		
V3	6.0	6.3	95.2	111.1	38.2	38.0	100.5	100.8	38.4	38.2	100.5	99.7	10.9	11.1	98.2	100.0	93	95	97.9	94.9
W3	5.2	4.9	106.1	96.3	38.2	37.6	101.6	100.8	39.3	38.8	101.3	102.1	10.6	11.0	96.4	97.2	96	97	99.0	98.0
X3		6.0				37.5				38.2				11.2				104		
H4	4.9	5.3	92.4	90.7	37.4	37.6	99.5	98.7	38.6	38.6	100.0	100.2	10.5	10.6	99.0	96.3	102	100	102.0	104.1
M4	5.3	4.7	112.8	98.1	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.7	11.9	11.4	104.4	109.2	103	107	96.3	105.1
O4		5.8				38.0				38.1				12.0				96		
P4		5.7				38.2				38.4				10.9				92		
T4	5.9	5.7	103.5	109.2	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5	10.1	10.1	100.0	92.7	96	99	97.0	98.0
U4	5.4	5.2	103.8	100.0	38.5	38.8	99.2	101.6	39.5	39.9	99.0	102.6	10.1	10.3	98.0	92.7	97	95	102.1	99.0
FKBG DATA																				
CUR. AV.	5.6				38.1				38.7				10.8				97			
CUM. AV.	5.4				37.9				38.5				10.9				98			
IND. *D	103.7				100.5				100.5				99.1				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 30 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
		MACHINE DATA				MACHINE DATA				MACHINE DATA		
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
D1		57.0				57.0				57.0		
E1	63.0	59.7	105.5	99.0	61.0	60.1	101.5	95.8	61.0	60.2	101.3	95.8
F1	56.0	53.3	105.1	88.0	53.0	53.7	98.7	83.2	57.0	53.6	106.3	89.5
G1					75.0			117.7		75.0		
W1												
Y1												
G2												
K2		67.0				67.0				67.4		
V2		63.8			66.8	63.8	104.7	104.9		64.5		
Z2	60.0	58.7	102.2	94.3	67.0	58.8	113.9	105.2	59.0	59.7	98.8	92.6
B3	67.0	60.7	110.4	105.3	68.0	61.5	110.6	106.8	64.0	62.4	102.6	100.5
D3		79.2			59.0	77.2	76.4	92.6		72.0		
F3												
H3												
J3	55.0	59.8	92.0	86.5		59.3				58.9		
M3	67.0	68.8	97.4	105.3	69.0	68.7	100.4	108.3	68.0	68.5	99.3	106.8
L3		77.0				77.0				77.0		
N3					61.0			95.8		61.0		
Q3	76.0	71.8	105.8	119.5	73.8	72.5	101.8	115.8		72.7		
R3		73.7				73.7				73.7		
S3												
V3												
W3	73.0	64.3	113.5	114.6	68.0	65.5	103.8	106.8	70.0	65.7	106.5	109.9
X3		65.2				64.7				66.0		
H4	75.8	74.0	102.4	119.2	79.7	74.2	107.4	125.1	75.2	75.0	100.3	118.0
M4	56.0	65.3	85.8	88.0	58.0	64.8	89.5	91.0	54.0	63.9	84.5	84.8
O4		55.0				55.0				55.0		
P4		62.2				62.2				59.4		
T4	63.4	57.9	109.5	99.7	59.5	58.4	101.9	93.4	57.4	58.7	97.8	90.1
U4	64.0	59.8	107.0	100.6	59.0	60.2	98.0	92.6	61.0	60.3	101.2	95.8

FNBG DATA			
CUR. AV.	64.7	65.2	62.7
CUM. AV.	63.6	63.7	63.7
IND. *C	101.7	102.4	98.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	6.1	5.8	105.2	108.9	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	11.1	10.8	102.8	92.5	106	106	100.0	100.0
D1	4.9	4.8	102.1	87.5	42.0	41.8	100.5	100.7	43.3	43.2	100.2	102.1	11.9	11.5	103.5	99.2	108	107	100.9	101.9
E1	5.6	5.3	105.7	100.0	41.3	41.2	100.2	99.0	42.3	42.4	99.8	99.8	12.2	12.3	99.2	101.7	107	107	100.0	100.9
F1		6.0				42.0				42.1				11.9				104		
G1	4.3	3.8	113.2	76.8	41.6	41.4	100.5	99.8	43.2	43.2	100.0	101.9	12.1	12.0	100.8	100.8	107	107	100.0	100.9
K1	6.3	6.4	98.4	112.5	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.2	11.6	96.6	93.3	107	104	102.9	100.9
M1	5.6	5.8	96.6	100.0	41.7	41.8	99.8	100.0	42.7	42.7	100.0	100.7	11.7	12.1	96.7	97.5	103	104	99.0	97.2
Y1	6.1	6.0	101.7	108.9	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	11.7	11.5	101.7	97.5	106	105	101.0	100.0
C2	5.3	5.0	106.0	94.6	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.1	12.8	12.8	100.0	106.7	100	101	99.0	96.3
D2	5.3	4.7	112.8	94.6	41.6	41.2	101.0	99.8	42.7	42.6	100.2	100.7	12.9	13.0	99.2	107.5	106	104	101.9	100.0
G2	5.4	5.4	100.0	96.4	41.2	41.4	99.5	98.8	42.3	42.5	99.5	99.8	11.9	12.4	96.0	99.2	105	102	102.9	99.0
K2	5.9	5.9	100.0	105.4	41.2	41.0	100.5	98.8	42.1	41.8	100.7	99.3	12.8	12.7	100.8	106.7	110	108	101.8	103.8
P2	5.0	5.3	94.3	89.3	40.9	41.3	99.0	98.1	42.1	42.5	99.0	99.3	11.8	11.4	103.5	98.3	113	115	98.3	106.6
V2		5.5				42.3				42.4				11.6				104		
X2	6.4	6.3	101.6	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.7	11.7	108.5	105.8	107	106	100.9	100.9
Z2	5.7	6.0	95.0	101.8	41.4	41.5	99.8	99.3	42.4	42.3	100.2	100.0	11.9	12.0	99.2	99.2	109	108	100.9	102.8
B3	5.7	5.6	101.8	101.8	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.7	12.7	100.0	105.8	107	107	100.0	100.9
D3		5.5				42.4				42.5				12.0				105		
F3	5.8	6.0	96.7	103.6	42.0	41.7	100.7	100.7	42.9	42.6	100.7	101.2	12.2	12.0	101.7	101.7	98	100	98.0	92.4
G3	6.0	6.0	100.0	107.1	42.2	42.2	100.0	101.2	42.3	42.2	100.2	99.8	11.2	11.4	98.2	93.3	104	105	99.0	98.1
H3	6.0	6.4	93.8	107.1	41.7	41.7	100.0	100.0	42.5	42.3	100.5	100.2	12.6	12.5	100.8	105.0	98	99	99.0	92.4
I3	5.9	5.5	107.3	105.4	42.3	41.4	102.2	101.4	43.2	42.5	101.6	101.9	10.5	10.6	99.0	87.5	106	106	100.0	100.0
J3	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					102	102	100.0	96.2
K3	6.1	4.8	127.1	108.9	41.6	41.1	101.2	99.8	42.3	42.5	99.5	99.8	12.1	11.9	101.7	100.8	108	112	96.4	101.9
L3		5.8				42.4				42.4				12.2				102		
M3	5.1	4.5	113.3	91.1	41.5	41.2	100.7	99.5	42.7	42.7	100.0	100.7	14.0	13.8	101.4	116.7	104	105	99.0	98.1
N3	5.7	6.0	95.0	101.8	42.1	42.4	99.3	101.0	43.1	43.0	100.2	101.6	13.2	11.9	110.9	110.0	116	118	98.3	109.4
P3	6.1	6.0	101.7	108.9	41.6	41.6	100.0	99.8	42.3	42.4	99.8	99.8	11.9	11.7	101.7	99.2	103	100	103.0	97.2
Q3	6.0	5.7	105.3	107.1	42.1	41.6	101.2	101.0	42.9	42.6	100.7	101.2	12.1	11.5	105.2	100.8	115	110	104.5	103.5
R3	5.7	5.6	101.8	101.8	43.3	42.6	101.6	103.8	43.4	42.6	101.9	102.4	12.1	11.6	104.3	100.8	103	105	98.1	97.2
S3	5.5	5.8	94.8	98.2	41.4	41.5	99.8	99.3	42.4	42.4	100.0	100.0	11.6	11.9	97.5	96.7	106	105	101.0	100.0
V3	6.4	6.4	100.0	114.3	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.5	12.1	103.3	104.2	103	106	97.2	97.2
W3	5.3	5.0	106.0	94.6	41.6	41.5	100.2	99.8	42.7	42.8	99.8	100.7	11.9	12.2	97.5	99.2	103	105	98.1	97.2
X3		6.5				41.8				42.3				12.5				109		
C4	5.6	5.8	96.6	100.0	42.3	42.0	100.7	101.4	42.4	42.1	100.7	100.0	13.2	12.9	102.3	110.0	105	105	100.0	99.0
G4	5.5	5.5	100.0	98.2	41.2	41.2	100.0	98.8	42.2	42.2	100.0	99.5	12.0	12.7	94.5	100.0	99	101	98.0	93.4
H4	5.3	5.4	98.1	94.6	41.4	41.5	99.8	99.3	42.5	42.6	99.8	100.2	11.5	11.8	97.4	95.3	112	108	103.7	105.7
I4	5.9	6.0	98.3	105.4	41.4	41.5	99.8	99.3	42.3	42.3	100.0	99.8	11.8	12.1	97.5	98.3	100	101	99.0	94.3
M4	5.4	5.2	103.8	96.4	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	12.3	12.6	97.6	102.5	114	111	102.7	107.5
P4		5.8				42.1				42.5				11.8				103		
T4	6.0	5.8	103.4	107.1	42.1	42.0	100.2	101.0	42.2	42.2	100.0	99.5	11.1	11.2	99.1	92.5	106	106	100.0	100.0
U4	5.7	5.7	100.0	101.8	42.2	41.4	101.9	101.2	43.2	42.4	101.9	101.9	12.9	10.9	118.3	107.5	106	105	101.0	100.0
FKBG DATA																				
CUR. AV.	5.7				41.8				42.5				12.1				106			
CUM. AV.	5.6				41.7				42.4				12.0				106			
INC.																				
*D	101.8				100.2				100.2				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	6.0	5.8	103.4	107.1	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	11.0	10.8	101.8	91.7	110	106	103.8	103.8
D1	4.9	4.8	102.1	87.5	41.5	41.8	99.3	99.5	42.8	43.2	99.1	100.9	11.2	11.6	96.6	93.3	107	107	100.0	100.9
E1	5.4	5.3	101.9	96.4	41.3	41.2	100.2	99.0	42.4	42.4	100.0	100.0	12.4	12.3	100.8	103.3	104	107	97.2	98.1
F1	6.0	6.0	100.0	107.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.5	11.9	96.6	95.8	106	104	101.9	100.0
G1	4.7	3.8	123.7	83.9	41.2	41.4	99.5	98.8	42.6	43.2	98.6	100.5	12.1	12.1	100.0	100.8	106	107	99.1	100.0
K1	6.5	6.4	101.6	116.1	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.4	11.5	99.1	95.0	107	104	102.9	100.9
W1	5.6	5.8	96.6	100.0	42.0	41.8	100.5	100.7	43.0	42.7	100.7	101.4	12.0	12.0	100.0	100.0	101	104	97.1	95.3
Y1	6.0	6.1	98.4	107.1	41.3	41.4	99.8	99.0	42.1	42.2	99.8	99.3	11.5	11.5	100.0	95.8	107	105	101.9	100.9
C2	5.4	5.0	108.0	96.4	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.1	12.4	12.8	96.9	103.3	100	101	99.0	94.3
D2	5.4	4.8	112.5	96.4	41.4	41.2	100.5	99.3	42.5	42.6	99.8	100.2	12.7	12.9	98.4	105.8	105	104	101.0	99.0
G2	5.5	5.4	101.8	98.2	41.5	41.4	100.2	99.5	42.5	42.5	100.0	100.2	12.5	12.3	101.6	104.2	104	103	101.0	98.1
K2	5.8	5.9	98.3	103.6	41.1	41.0	100.2	98.6	42.0	41.9	100.2	99.0	12.9	12.7	101.6	107.5	106	108	98.1	100.0
P2	5.2	5.2	100.0	92.8	41.0	41.3	99.3	98.3	42.1	42.4	99.3	99.3	11.5	11.4	100.9	95.8	121	114	106.1	114.2
V2	5.5	5.5	100.0	98.2	42.5	42.3	100.5	101.9	42.6	42.4	100.5	100.5	12.0	11.6	103.4	100.0	109	104	104.8	102.8
X2	6.4	6.3	101.6	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.4	11.8	105.1	103.3	107	106	100.9	100.9
Z2	5.8	6.0	96.7	103.6	41.3	41.5	99.5	99.0	42.2	42.3	99.8	99.5	12.0	12.0	100.0	100.0	112	108	103.7	105.7
B3	5.6	5.6	100.0	100.0	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.8	12.7	100.8	106.7	108	107	100.9	101.9
D3	5.4	5.6	100.0	96.4	42.2	42.4	99.5	101.2	42.3	42.5	99.5	99.8	12.0	12.1	99.2	100.0	103	105	98.1	97.2
F3	5.9	6.0	98.3	105.4	41.8	41.8	100.0	100.2	42.7	42.6	100.2	100.7	11.8	12.0	98.3	98.3	100	100	100.0	94.3
G3	6.0	6.0	100.0	107.1	42.2	42.2	100.0	101.2	42.3	42.2	100.2	99.8	11.3	11.4	99.1	94.2	106	104	101.9	100.0
H3	6.0	6.4	93.8	107.1	41.4	41.7	99.3	99.3	42.2	42.3	99.8	99.5	12.1	12.5	96.8	100.8	100	99	101.0	94.3
I3	5.0	5.5	90.9	89.3	41.3	41.5	99.5	99.0	42.5	42.6	99.8	100.2	9.7	10.6	91.5	80.8	109	106	102.8	102.8
J3	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					103	102	101.0	97.2
K3	5.8	4.9	118.4	103.6	41.4	41.2	100.5	99.3	42.3	42.5	99.5	99.8	12.1	11.9	101.7	100.8	107	111	96.4	100.9
L3		5.8				42.4				42.4				12.2				102		
M3	5.1	4.6	110.9	91.1	41.3	41.3	100.0	99.0	42.5	42.7	99.5	100.2	13.7	13.8	99.3	114.2	105	105	100.0	99.0
N3	5.7	5.9	96.6	101.8	42.1	42.3	99.5	101.0	43.1	43.0	100.2	101.6	12.1	12.0	100.8	100.8	118	117	100.8	111.3
P3	6.0	6.1	98.4	107.1	41.6	41.6	100.0	99.8	42.4	42.3	100.2	100.0	11.3	11.7	96.6	94.2	105	100	105.0	99.0
Q3		5.7				41.7				42.6				11.6				111		
R3	6.0	5.6	107.1	107.1	42.8	42.6	100.5	102.6	42.9	42.8	100.2	101.2	12.0	11.7	102.6	100.0	104	105	99.0	98.1
S3	5.7	5.7	100.0	101.8	41.6	41.5	100.2	99.8	42.6	42.4	100.5	100.5	11.7	11.9	98.3	97.5	109	105	103.8	102.8
V3	6.4	6.4	100.0	114.3	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	12.5	12.2	102.4	104.2	104	106	98.1	98.1
W3	5.2	5.0	104.0	92.8	41.8	41.5	100.7	100.2	43.0	42.8	100.5	101.4	12.1	12.2	99.2	100.8	103	105	98.1	97.2
X3	6.4	6.5	98.5	114.3	42.1	41.7	101.0	101.0	42.7	42.3	100.9	100.7	12.3	12.5	98.4	102.5	106	108	99.1	100.0
C4		5.8				42.0				42.2				12.9				105		
G4	5.5	5.5	100.0	98.2	40.7	41.2	98.8	97.6	41.7	42.2	98.8	98.3	12.8	12.6	101.6	106.7	100	101	99.0	94.3
H4	5.2	5.4	96.3	92.8	41.6	41.5	100.2	99.8	42.8	42.6	100.5	100.9	12.1	11.8	102.5	100.8	106	108	98.1	100.0
I4	6.0	6.0	100.0	107.1	41.3	41.5	99.5	99.0	42.1	42.3	99.5	99.3	11.9	12.1	98.3	99.2	101	101	100.0	95.3
M4	6.1	5.2	117.3	108.9	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	13.3	12.5	106.4	110.8	108	111	97.3	101.9
P4		5.8				42.1				42.5				11.9				103		
T4	6.1	5.9	103.4	108.9	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.2	11.2	100.0	93.3	106	106	100.0	100.0
U4	5.5	5.8	94.8	98.2	41.3	41.5	99.5	99.0	42.3	42.5	99.5	99.8	10.1	11.1	91.0	84.2	107	105	101.9	100.9
FMBG DATA																				
CUR. AV.	5.7				41.7				42.4				12.0				106			
CUM. AV.	5.6				41.7				42.4				12.0				106			
IND. *D	101.8				100.0				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	103.6	42.5	42.0	101.2	101.9	42.7	42.2	101.2	100.7	10.7	10.8	99.1	89.2	104	106	98.1	98.1
D1	4.8	4.8	100.0	85.7	41.5	41.8	99.3	99.5	42.9	43.2	99.3	101.2	11.4	11.6	98.3	95.0	106	107	99.1	100.0
E1	5.5	5.3	103.8	98.2	41.3	41.2	100.2	99.0	42.3	42.4	99.8	99.8	12.5	12.3	101.6	104.2	104	106	98.1	98.1
F1	6.0	6.0	100.0	107.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.6	11.9	97.5	96.7	106	104	101.9	100.0
G1	4.4	3.8	115.8	78.6	41.1	41.4	99.3	98.6	42.6	43.1	98.8	100.5	12.2	12.1	100.8	101.7	108	107	100.9	101.9
H1	6.4	6.4	100.0	114.3	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	10.9	11.5	94.8	90.8	107	105	101.9	100.9
W1	5.9	5.8	101.7	105.4	41.8	41.8	100.0	100.2	42.7	42.7	100.0	100.7	11.8	12.0	98.3	98.3	101	104	97.1	95.3
Y1	5.8	6.1	95.1	103.6	41.3	41.4	99.8	99.0	42.2	42.2	100.0	99.5	11.4	11.5	99.1	95.0	107	105	101.9	100.9
C2	5.5	5.0	110.0	98.2	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.1	12.6	12.7	99.2	105.0	100	101	99.0	94.3
D2	5.2	4.8	108.3	92.8	41.5	41.2	100.7	99.5	42.7	42.6	100.2	100.7	12.7	12.9	98.4	105.8	107	104	102.9	100.9
S2	5.7	5.4	105.6	101.8	41.8	41.4	101.0	100.2	42.8	42.5	100.7	100.9	12.5	12.2	102.4	104.2	104	103	101.0	99.1
K2		5.9				41.1				41.9				12.8				108		
P2	5.3	5.2	101.9	94.6	41.1	41.2	99.8	98.6	42.2	42.4	99.5	99.5	12.0	11.4	105.3	100.0	118	115	102.6	111.3
V2	5.5	5.5	100.0	98.2	41.2	42.3	97.4	98.8	41.4	42.4	97.6	97.6	11.2	11.7	95.7	93.3	106	104	101.9	100.0
X2	7.1	6.3	112.7	126.8	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.8	11.9	99.2	98.3	106	106	100.0	100.0
Z2	6.3	5.9	106.8	112.5	41.7	41.5	100.5	100.0	42.4	42.3	100.2	100.0	12.0	12.0	100.0	100.0	110	108	101.8	103.8
B3	5.6	5.6	100.0	100.0	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.7	12.7	100.0	105.8	106	107	99.1	100.0
D3	5.7	5.5	103.6	101.8	42.4	42.4	100.0	101.7	42.5	42.5	100.0	100.2	12.2	12.1	100.8	101.7	105	104	101.0	99.0
F3	5.9	6.0	98.3	105.4	41.8	41.8	100.0	100.2	42.7	42.6	100.2	100.7	11.9	12.0	99.2	99.2	101	100	101.0	95.3
G3	6.0	6.0	100.0	107.1	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	12.1	11.4	106.1	100.8	104	105	99.0	98.1
H3	6.2	6.3	98.4	110.7	41.5	41.7	99.5	99.5	42.2	42.3	99.8	99.5	12.5	12.4	100.8	104.2	101	99	102.0	95.3
I3	5.2	5.5	94.5	92.8	41.3	41.5	99.5	99.0	42.5	42.6	99.8	100.2	9.7	10.5	92.4	80.8	108	106	101.9	101.9
J3	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					100	102	98.0	94.3
K3	5.9	5.0	118.0	105.4	41.5	41.2	100.7	99.5	42.4	42.5	99.8	100.0	11.9	11.9	100.0	99.2	106	111	95.5	100.0
L3		5.8				42.4				42.4				12.2				102		
M3	5.1	4.6	110.9	91.1	41.5	41.3	100.5	99.5	42.7	42.7	100.0	100.7	14.2	13.8	102.9	118.3	106	105	101.0	100.0
N3	5.9	6.0	98.3	105.4	42.4	42.3	100.2	101.7	43.3	43.0	100.7	102.1	12.2	12.1	100.8	101.7	123	117	105.1	116.0
P3	6.1	6.1	100.0	108.9	41.7	41.6	100.2	100.0	42.5	42.4	100.2	100.2	11.5	11.7	98.3	95.8	101	101	100.0	95.3
Q3		5.8				41.7				42.6				11.7				111		
R3	5.9	5.7	103.5	105.4	42.7	42.7	100.0	102.4	42.8	42.8	100.0	100.9	11.8	11.7	100.8	98.3	103	105	98.1	97.2
S3	6.0	5.7	105.3	107.1	41.7	41.5	100.5	100.0	42.5	42.4	100.2	100.2	11.6	12.0	96.7	96.7	110	106	103.8	103.8
V3	6.1	6.4	95.3	108.9	42.4	42.0	101.0	101.7	42.6	42.2	100.9	100.5	11.7	12.2	95.9	97.5	103	106	97.2	97.2
W3	5.2	5.0	104.0	92.8	41.5	41.6	99.8	99.5	42.7	42.8	99.8	100.7	12.0	12.2	98.4	100.0	103	104	99.0	97.2
X3	6.4	6.5	98.5	114.3	42.1	41.8	100.7	101.0	42.7	42.4	100.7	100.7	12.5	12.5	100.0	104.2	103	108	95.4	97.2
C4		5.8				42.0				42.2				12.9				105		
G4	5.5	5.6	98.2	98.2	40.7	41.2	98.8	97.6	41.7	42.1	99.0	98.3	12.8	12.6	101.6	106.7	101	100	101.0	95.3
H4	5.3	5.4	98.1	94.6	41.4	41.5	99.8	99.3	42.5	42.6	99.8	100.2	11.8	11.8	100.0	98.3	107	108	99.1	100.9
I4	6.1	6.0	101.7	108.9	41.4	41.5	99.8	99.3	42.1	42.2	99.8	99.3	11.8	12.1	97.5	98.3	101	101	100.0	95.3
J4	5.4	5.3	101.9	96.4	42.4	42.3	100.2	101.7	42.5	42.4	100.2	100.2	13.0	12.6	103.2	109.3	111	111	100.0	104.7
P4		5.8				42.1				42.5				11.9				102		
T4	6.1	5.9	103.4	108.9	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.5	11.2	102.7	95.8	104	106	98.1	98.1
U4	5.3	5.8	91.4	94.5	41.2	41.6	99.0	98.8	42.3	42.5	99.5	99.8	9.8	11.0	89.1	81.7	109	105	103.8	102.8
FROM DATA CUR. AV.	5.7				41.7				42.4				11.9				106			
CUM. AV.	5.6				41.7				42.4				12.0				106			
IND. *C	101.8				100.0				100.0				99.2				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1		84.3				84.3				84.3		
D1	76.0	71.0	107.0	107.3	72.0	72.0	100.0	101.7	70.0	71.8	97.5	99.3
E1	70.0	67.2	104.2	98.9	70.0	67.6	103.6	98.9	62.0	67.9	91.3	87.9
F1		64.1			67.0	64.1	104.5	94.6	67.0	64.6	103.7	95.0
G1					70.0			98.9		70.0		
K1												
*1												
Y1	69.0			97.4	71.0	69.0	102.9	100.3	72.0	70.0	102.8	102.1
C2	68.0	58.3	116.6	96.0	72.0	59.3	121.4	101.7	73.0	60.6	120.5	103.5
D2					67.0			94.6		67.0		
G2												
K2	81.7	74.3	110.0	115.4		75.2				74.8		
P2	65.0	76.4	85.1	91.8	70.0	75.5	92.7	98.9	68.0	74.8	90.9	96.4
V2		70.4			76.2	70.4	108.2	107.6	74.5	71.2	104.6	105.7
X2												
Z2	66.0	64.7	102.0	93.2	67.0	65.5	102.3	94.6	64.0	65.5	97.7	90.8
B3	72.0	66.8	107.8	101.7	72.0	67.5	106.7	101.7	71.0	68.0	104.4	100.7
D3		79.5			69.0	78.4	88.0	97.4	66.0	71.4	92.4	93.6
F3												
G3	66.0	69.0	95.6	93.2	70.0	68.8	101.7	98.9	67.0	68.9	97.2	95.0
H3												
I3	62.0	65.2	95.1	87.6	57.0	65.2	87.4	80.5	63.0	64.8	97.2	89.4
J3	65.0	67.3	96.6	91.8	68.0	67.1	101.3	96.0	65.0	67.1	96.3	92.2
K3	75.0	75.5	98.8	105.9	75.0	76.0	98.7	105.9	75.0	76.1	98.6	106.4
L3		72.5				72.5				72.5		
M3					67.0			94.6		67.0		
N3	75.0	77.7	96.5	105.9	73.0	78.1	93.5	103.1	65.0	77.9	83.4	92.2
P3												
Q3	80.1	78.6	101.9	113.1		78.7				79.2		
R3	67.0	82.4	81.3	94.6	64.0	79.8	80.2	90.4	66.0	77.2	85.5	93.6
S3												
V3												
W3	84.0	75.2	111.7	118.6	79.0	76.3	103.5	111.6	79.0	76.6	103.1	112.0
X3		74.0			79.0	74.1	106.6	111.6	77.0	75.1	102.5	109.2
C4												
G4	62.0	58.2	106.5	87.6	55.0	58.4	111.3	91.8	58.0	58.8	93.6	82.3
H4	83.3	87.6	95.1	117.6	86.3	87.3	98.3	121.9	83.0	87.1	95.3	117.7
I4												
M4	58.0	61.1	94.9	81.9	59.0	60.8	97.0	83.3	57.0	60.6	94.0	80.8
P4		73.2				71.7				70.6		
T4	68.0	65.0	104.6	96.0	65.9	65.1	101.2	93.1	63.6	65.1	97.7	90.2
U4	70.0	66.1	105.9	98.9	67.0	66.5	100.8	94.6	69.0	66.7	103.4	97.9

FRBG DATA

CUR. AV.	70.6	69.9	68.5
CUM. AV.	70.8	70.8	70.5
IND. *C	99.7	98.7	97.2

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
B1	6.4	6.2	103.2	103.2	69.4	68.6	101.2	101.2	70.4	69.8	100.8	101.4	19.3	19.3	100.0	98.5	138	141	97.9	97.2
C1	6.6	6.7	98.5	106.4	68.2	69.1	98.7	99.4	68.5	69.4	98.7	98.7	20.1	19.6	102.6	102.6	144	140	102.8	101.4
D1	6.6	6.8	97.0	106.4	68.6	68.6	100.0	100.0	69.5	69.4	100.1	100.1	19.0	18.3	98.4	91.3	146	144	101.4	102.8
E1	5.4	5.7	94.7	87.1	67.7	68.1	99.4	98.7	69.5	69.6	99.8	100.1	20.3	20.4	99.5	103.6	140	142	98.6	98.6
G1	5.3	4.5	117.8	85.5	69.2	68.6	100.9	100.9	71.1	71.0	100.1	102.4	20.2	20.1	100.5	103.1	147	144	102.1	103.5
K1	6.4	6.3	101.6	103.2	68.9	69.1	99.7	100.4	69.1	69.3	99.7	99.6	19.0	19.8	96.0	96.9	140	134	104.5	98.6
V1	6.5	6.6	98.5	104.8	68.3	68.1	100.3	99.6	69.3	68.9	100.6	99.8	18.8	19.3	97.4	95.9	141	139	101.4	99.3
W1	6.0	6.2	96.8	96.8	68.3	68.4	99.8	99.6	69.7	69.6	100.1	100.4	21.0	20.8	101.0	107.1	137	137	100.0	96.5
Y1	6.3	6.0	105.0	101.6	68.1	68.2	99.8	99.3	69.2	69.5	99.6	99.7	19.7	16.8	104.8	100.5	135	139	97.1	95.1
C2	6.0	5.6	107.1	96.8	67.5	67.8	99.6	98.4	68.1	68.4	99.6	98.1	20.6	20.8	99.0	105.1	142	145	97.9	100.0
D2		5.4				68.0				69.8				20.0				144		
K2		6.2				67.4				68.5				21.6				146		
P2	5.2	5.4	96.3	83.9	67.4	67.6	99.7	98.2	69.3	69.4	99.8	99.8	19.6	19.1	102.6	100.0	158	164	96.3	111.3
V2	6.2	6.7	92.5	100.0	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	18.0	18.0	100.0	91.8	144	142	101.4	101.4
X2		6.2				69.1				69.3				19.8				140		
Z2	6.1	6.8	89.7	98.4	68.2	68.7	99.3	99.4	69.4	69.5	99.8	100.0	19.4	19.8	98.0	99.0	146	144	101.4	102.8
B3	6.0	5.9	101.7	96.8	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.3	20.7	98.1	103.6	141	140	100.7	99.3
G3	7.0	7.0	100.0	112.9	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.2	19.5	98.5	98.0	137	138	99.3	96.5
H3	7.1	7.3	97.3	114.5	68.9	69.1	99.7	100.4	69.5	69.5	100.0	100.1	19.2	19.3	99.5	98.0	136	137	99.3	95.8
I3	5.9	6.1	96.7	95.2	69.2	68.2	101.5	100.9	70.7	69.5	101.7	101.9	16.9	17.5	96.6	86.2	141	138	102.2	99.3
J3		6.1				69.0				69.2								141		
L3		5.8				69.3				69.5				19.9				141		
N3	6.8	6.8	100.0	109.7	69.2	69.3	99.8	100.9	70.0	69.9	100.1	100.9	19.5	19.2	101.6	99.5	161	160	100.6	113.4
P3	6.8	6.7	101.5	109.7	68.5	68.6	99.8	99.8	69.3	69.4	99.8	99.8	19.6	19.8	99.0	100.0	136	135	100.7	95.8
Q3	6.6	6.2	106.4	106.4	69.2	68.5	101.0	100.9	70.1	69.7	100.6	101.0	20.9	19.9	105.0	106.6	140	144	97.2	98.6
R3	5.7	5.9	96.6	91.9	70.4	69.4	101.4	102.6	70.6	69.6	101.4	101.7	19.9	19.2	103.6	101.5	136	137	99.3	95.8
S3	6.6	6.9	95.6	106.4	69.2	68.8	100.6	100.9	70.1	69.6	100.7	101.0	19.0	19.2	99.0	96.9	139	143	97.2	97.9
X3	7.7	7.0	110.0	124.2	68.1	68.9	98.8	99.3	68.2	69.6	98.0	98.3	18.7	20.3	92.1	95.4	147	140	105.0	103.5
D4		6.4				69.0				69.6				19.4				141		
G4		6.0				67.5				68.8				20.1				139		
H4		5.9				68.3				69.7				19.8				142		
I4		6.6				68.4				69.3				20.8				134		
T4	6.3	6.3	100.0	101.6	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.2	18.3	99.4	92.8	154	145	106.2	108.4
FRBG DATA																				
CUR. AV.	6.3				68.7				69.5				19.4				143			
CUM. AV.	6.2				68.6				69.4				19.6				142			
IND. #C	101.6				100.1				100.1				99.0				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
B1	6.4	6.2	103.2	103.2	69.2	68.7	100.7	100.9	70.2	69.8	100.6	101.2	19.1	19.3	99.0	97.4	140	141	99.3	98.6
C1		6.7				69.0				69.3				19.7				140		
D1	6.7	6.8	98.5	108.1	68.5	68.6	99.8	99.8	69.3	69.4	99.8	99.8	18.0	18.3	98.4	91.8	143	143	100.0	100.7
E1	5.5	5.7	96.5	88.7	67.7	68.1	99.4	98.7	69.4	69.6	99.7	100.0	20.0	20.4	98.0	102.0	144	142	101.4	101.4
G1	5.1	4.5	113.3	82.2	68.1	68.6	99.3	99.3	70.1	71.0	98.7	101.0	20.0	20.1	99.5	102.0	143	144	99.3	100.7
K1	6.5	6.3	103.2	104.8	68.8	69.1	99.6	100.3	69.0	69.3	99.6	99.4	18.7	19.7	94.9	95.4	145	135	107.4	102.1
W1	6.3	6.6	95.4	101.6	68.2	68.2	100.0	99.4	69.3	68.9	100.6	99.8	19.0	19.2	99.0	96.9	143	139	102.9	100.7
W1	6.1	6.2	98.4	98.4	68.4	68.4	100.0	99.7	69.6	69.6	100.0	100.3	20.4	20.8	98.1	104.1	133	137	97.1	93.7
Y1	6.4	6.0	106.7	103.2	68.3	68.2	100.1	99.6	69.3	69.4	99.8	99.8	19.5	19.0	102.6	99.5	136	138	97.1	94.4
C2	6.0	5.7	105.3	96.8	67.6	67.7	99.8	98.5	68.2	68.3	99.8	98.3	20.3	20.8	97.6	103.6	144	144	100.0	101.4
D2	5.9	5.4	109.2	95.2	68.2	68.0	100.3	99.4	69.6	69.8	99.7	100.3	20.6	20.0	103.0	105.1	152	144	105.6	107.0
K2	6.4	6.3	101.6	103.2	67.9	67.5	100.6	99.0	68.9	68.6	100.4	99.3	21.6	21.6	100.0	110.2	143	146	97.9	100.7
P2	5.6	5.4	103.7	90.3	67.7	67.6	100.1	98.7	69.3	69.4	99.8	99.8	19.8	19.2	103.1	101.0	159	163	97.5	112.0
V2	6.3	6.6	95.4	101.6	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	17.9	18.1	98.9	91.3	147	142	103.5	103.5
X2		6.2				69.1				69.3				19.8				140		
Z2	5.9	6.6	89.4	95.2	68.3	68.6	99.6	99.6	69.7	69.5	100.3	100.4	18.7	19.8	94.4	95.4	142	144	98.6	100.0
B3	6.0	5.9	101.7	96.8	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	20.3	20.6	98.5	103.6	139	140	99.3	97.9
G3	7.0	7.0	100.0	112.9	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.4	19.5	99.5	99.0	140	138	101.4	98.6
H3	7.0	7.2	97.2	112.9	68.6	69.1	99.3	100.0	69.2	69.5	99.6	99.7	19.2	19.3	99.5	98.0	137	137	100.0	96.5
I3	5.4	6.1	88.5	87.1	67.7	68.3	99.1	98.7	69.5	69.6	99.8	100.1	16.4	17.5	93.7	83.7	140	138	101.4	98.6
J3	5.8	6.1	95.1	93.5	69.4	69.0	100.6	101.2	69.6	69.2	100.6	100.3					137	141	97.2	96.5
L3		5.8				69.3				69.5				19.9				141		
N3	6.7	6.8	98.5	108.1	69.1	69.3	99.7	100.7	69.9	69.9	100.0	100.7	19.6	19.3	101.6	100.0	162	161	100.6	114.1
P3	6.7	6.7	100.0	108.1	68.6	68.5	100.1	100.0	69.4	69.4	100.0	100.0	19.3	19.8	97.5	98.5	134	135	99.2	94.4
G3	6.2	6.2	100.0	100.0	68.6	68.6	100.0	100.0	69.8	69.8	100.0	100.6	20.7	20.1	103.0	105.6	140	144	97.2	98.6
R3	6.0	5.9	101.7	96.8	69.0	69.5	99.3	100.6	69.2	69.7	99.3	99.7	18.8	19.3	97.4	95.9	140	137	102.2	98.6
S3	6.6	6.8	97.0	106.4	68.9	68.8	100.1	100.4	69.8	69.6	100.3	100.6	19.1	19.2	99.5	97.4	141	143	98.6	99.3
X3	7.3	7.2	101.4	117.7	69.2	68.6	100.9	100.9	69.5	69.1	100.6	100.1	19.2	19.8	97.0	98.0	138	142	97.2	97.2
D4		6.5				69.0				69.6				19.4				141		
G4		6.0				67.5				68.8				20.1				139		
H4	5.6	5.9	94.9	90.3	68.2	68.3	99.8	99.4	69.8	69.7	100.1	100.6	22.1	19.8	111.6	112.8	146	142	102.8	102.8
I4		6.6				68.4				69.3				20.8				134		
T4		6.2				69.0				69.2				18.3				146		

FNBG DATA																
CUR. AV.	6.2				68.5				69.4				19.5				142			
CUM. AV.	6.2				68.6				69.4				19.6				142			
IND. #C	100.0				99.8				100.0				99.5				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.7	6.3	106.3	108.1	69.3	68.7	100.9	101.0	70.1	69.8	100.4	101.0	18.7	19.3	96.9	95.9	141	141	100.0	99.3
C1		6.7				69.0				69.3				19.7				140		
D1	5.9	6.7	103.0	111.3	68.5	68.6	99.8	99.8	69.2	69.4	99.7	99.7	17.9	18.2	98.4	91.8	144	143	100.7	101.4
E1	6.2	5.7	108.8	100.0	68.3	68.0	100.4	99.6	69.5	69.5	100.0	100.1	20.3	20.3	100.0	104.1	139	142	97.9	97.9
G1	5.0	4.6	108.7	80.6	68.0	68.6	99.1	99.1	70.0	71.0	98.6	100.9	20.3	20.1	101.0	104.1	142	144	99.6	100.0
K1		6.3				69.0				69.2				19.5				136		
V1	6.3	6.6	95.4	101.6	68.0	68.2	99.7	99.1	69.1	69.0	100.1	99.6	18.9	19.2	98.4	95.9	144	140	102.8	101.4
W1	6.1	6.2	98.4	98.4	68.5	68.4	100.1	99.8	69.7	69.6	100.1	100.4	19.9	20.6	96.6	102.0	135	137	98.5	95.1
Y1	6.4	6.1	104.9	103.2	68.7	68.1	100.9	100.1	69.7	69.4	100.4	100.4	20.0	19.0	105.3	102.6	147	139	105.8	103.5
C2	6.2	5.7	108.8	100.0	67.6	67.8	99.7	98.5	68.2	68.4	99.7	98.3	20.2	20.7	97.6	103.6	145	144	100.7	102.1
Q2	5.7	5.5	103.6	91.9	68.2	68.1	100.1	99.4	69.8	69.7	100.1	100.6	19.8	20.2	98.0	101.5	149	146	102.0	104.9
K2		6.3				67.6				68.7				21.6				147		
P2	5.3	5.4	98.1	85.5	67.6	67.6	100.0	98.5	69.4	69.4	100.0	100.0	19.5	19.2	101.6	100.0	150	163	92.0	105.6
V2	6.7	6.6	101.5	108.1	68.5	69.1	99.1	99.8	68.7	69.3	99.1	99.0	17.6	18.1	97.2	90.2	145	142	102.1	102.1
X2		6.2				69.1				69.3				19.8				140		
Z2	6.1	6.6	92.4	98.4	68.0	68.5	99.3	99.1	69.2	69.5	99.6	99.7	20.0	19.6	102.0	102.6	146	144	101.4	102.8
B3	6.1	5.9	103.4	98.4	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	21.0	20.6	101.9	107.7	138	140	98.6	97.2
G3	6.9	7.0	98.6	111.3	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	20.6	19.4	106.2	105.6	137	138	99.3	96.5
H3	7.1	7.2	98.6	114.5	68.7	69.0	99.6	100.1	69.2	69.5	99.6	99.7	19.2	19.3	99.5	98.5	138	137	100.7	97.2
I3	5.5	6.0	91.7	88.7	67.7	68.3	99.1	98.7	69.4	69.6	99.7	100.0	16.3	17.4	93.7	83.6	143	138	103.6	100.7
J3		6.1				69.1				69.3								140		
L3		5.8				69.3				69.5				19.9				141		
N3	6.8	6.8	100.0	109.7	69.3	69.3	100.0	101.0	70.1	69.9	100.3	101.0	19.5	19.3	101.0	100.0	159	161	98.3	112.0
P3	7.0	6.6	106.1	112.9	68.7	68.5	100.3	100.1	69.3	69.4	99.8	99.8	19.7	19.7	100.0	101.0	133	135	98.5	93.7
Q3	6.6	6.3	104.8	106.4	68.8	68.6	100.3	100.3	69.7	69.8	99.8	100.4	20.5	20.2	101.5	105.1	141	144	97.9	99.3
R3	6.0	5.9	101.7	96.8	69.5	69.5	100.0	101.3	69.7	69.7	100.0	100.4	19.6	19.3	101.6	100.5	139	138	100.7	97.9
S3	6.8	6.8	100.0	109.7	68.6	68.8	99.7	100.0	69.4	69.6	99.7	100.0	18.9	19.2	98.4	96.9	138	143	96.5	97.2
X3		7.4				68.8				69.1				19.3				142		
D4		6.5				69.0				69.6				19.4				140		
G4	5.9	6.0	98.3	95.2	67.0	67.5	99.2	97.7	68.4	68.8	99.4	98.6	21.4	20.1	106.5	109.7	143	139	102.9	100.7
H4		5.9				68.4				69.8				20.0				142		
I4		6.6				68.4				69.3				20.8				134		
T4	6.2	6.3	98.4	100.0	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.1	18.3	98.9	92.8	142	144	98.6	100.0
FMBG DATA																				
CUR. AV.	6.3				68.5				69.4				19.5				142			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *C	101.6				99.8				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	134.0	138.0	97.1	114.5	146.0	134.0	109.0	124.8	133.0	140.0	95.0	114.0
C1												
D1	122.0	122.8	99.3	104.3	103.0	123.0	83.7	88.0	102.0	120.7	84.5	87.4
E1	114.0	112.3	101.5	97.4	110.0	112.6	97.7	94.0	113.0	112.2	100.7	96.8
G1					120.0			102.6		120.0		
K1												
V1												
b1												
Y1					117.0			100.0	132.0	117.0	112.8	113.1
C2	103.0	95.1	108.3	88.0	112.0	95.7	117.0	95.7	121.0	96.8	125.0	103.7
D2					108.0			92.3		108.0		
K2		118.6				119.5				118.1		
P2	119.0	124.0	96.0	101.7	117.0	123.4	94.8	100.0	117.0	122.8	95.3	100.2
V2	125.6	114.1	110.1	107.4	127.0	115.4	110.0	103.5	120.5	117.2	102.8	103.2
X2												
Z2	110.0	111.6	98.6	94.0	105.0	112.0	93.8	89.7	117.0	112.2	104.3	100.2
B3	109.0	104.7	104.1	93.2	110.0	105.0	104.8	94.0	115.0	105.5	109.0	98.5
G3	129.0	125.2	103.0	110.2	124.0	125.4	98.9	106.0	123.0	125.2	98.2	105.4
H3												
I3	98.0	110.7	88.5	83.8	105.0	110.0	95.4	89.7	114.0	109.3	104.3	97.7
J3		113.8			114.0	113.8	100.2	97.4		113.8		
L3		113.5				113.5				113.5		
N3	109.0	124.8	87.3	93.2	119.0	125.0	95.2	101.7	118.0	124.8	94.6	101.1
P3												
Q3	111.5	117.4	95.0	95.3	104.0	116.8	89.0	88.9	110.1	115.6	95.2	94.3
R3	114.0	134.5	84.8	97.4	119.0	132.3	89.9	101.7	114.0	130.3	87.5	97.7
S3												
X3	135.0	139.0	97.1	115.4	127.0	137.7	92.2	108.5		137.3		
D4		120.4				118.9				117.2		
G4		95.0				95.0			103.0	95.0	108.4	88.3
H4		126.1			120.5	126.1	95.6	103.0		125.4		
I4												
T4	116.0	115.3	100.6	99.1		115.5			111.4	115.1	96.8	95.4

FREE DATA				
CUR. AV.	116.6	116.2	116.5	
CUM. AV.	117.0	117.0	116.7	
INC. *C	99.6	99.3	99.8	

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
B1	6.6	6.3	104.8	103.1	89.9	89.8	100.1	100.3	91.1	91.2	99.9	100.3	25.9	25.6	101.2	101.6	154	157	98.1	89.5
C1		7.4				90.0				90.4				26.4				184		
D1	6.8	6.8	100.0	106.2	89.3	89.6	99.7	99.7	90.3	90.5	99.8	99.4	22.9	23.2	98.7	89.8	185	179	103.4	107.6
E1	5.2	6.4	81.2	81.2	87.8	88.9	98.8	98.0	90.3	90.3	100.0	99.4	26.1	26.9	97.0	102.4	170	163	101.2	98.8
G1		4.5				88.7				91.9				26.0				173		
V1	6.5	6.5	100.0	101.6	89.9	89.2	100.8	100.3	91.2	90.3	101.0	100.4	25.3	25.5	99.2	99.2	178	177	100.6	103.5
W1	5.6	6.3	88.9	87.5	89.1	89.5	99.6	99.4	91.2	91.0	100.2	100.4	27.5	27.0	101.8	107.8	163	164	99.4	94.8
C2	8.3	8.4	98.8	129.7	89.3	89.5	99.8	99.7	90.1	90.3	99.8	99.2	27.0	27.5	98.2	105.9	174	173	100.6	101.2
D2	5.9	5.6	105.4	92.2	90.4	89.4	101.1	100.9	92.3	91.5	100.9	101.6	27.3	26.9	101.5	107.0	187	173	108.1	108.7
P2	5.3	5.6	94.6	82.8	88.1	88.2	99.9	98.3	90.5	90.4	100.1	99.7	25.6	24.9	102.8	100.4	193	188	102.6	112.2
W2		6.5				90.2				90.5				24.2				167		
Z2	7.3	7.1	102.8	114.1	88.9	89.9	98.9	99.2	89.3	90.6	98.6	99.3	25.5	25.7	99.2	100.0	171	178	96.1	99.4
B3	5.6	5.9	94.9	87.5	90.4	90.2	100.2	100.9	90.7	90.5	100.2	99.9	26.4	27.1	97.4	103.5	169	165	102.4	98.2
I3	5.8	6.0	96.7	90.6	90.5	89.3	101.3	101.0	92.5	91.0	101.6	101.9	23.3	23.7	98.3	91.4	163	166	98.2	94.8
L3		5.8				90.3				90.6				26.0				170		
N3	6.4	6.9	92.8	100.0	90.1	90.6	99.4	100.6	91.5	91.2	100.3	100.8	25.8	25.6	100.8	101.2	186	184	101.1	108.1
T4	5.1	5.7	89.5	79.7	90.3	90.8	99.4	100.8	90.6	91.1	99.4	99.8	24.1	24.7	97.6	94.5	164	176	93.2	95.3
FNBG DATA																				
CUR. AV.	6.2				89.5				90.9				25.6				174			
CUM. AV.	6.4				89.6				90.8				25.5				172			
IND. #C	96.9				99.9				100.1				100.4				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.5	6.3	103.2	101.6	90.3	89.8	100.6	100.8	91.6	91.3	100.3	100.9	25.6	25.6	100.0	100.4	162	157	103.2	94.2
C1		7.4				90.0				90.4				26.4				184		
D1	6.8	6.8	100.0	106.2	89.4	89.6	99.8	99.8	90.4	90.6	99.8	99.6	23.3	23.2	100.4	91.4	176	180	97.8	102.3
E1		6.2				88.8				90.3				26.8				168		
G1		4.5				88.7				91.9				26.0				173		
V1	6.4	6.5	98.5	100.0	89.7	89.3	100.4	100.1	91.0	90.4	100.7	100.2	25.0	25.6	97.6	98.0	180	177	101.7	104.6
W1	5.3	6.2	85.5	82.8	88.9	89.5	99.3	99.2	91.3	91.0	100.3	100.6	27.0	27.0	100.0	105.9	162	163	99.4	94.2
C2	7.7	8.4	91.7	120.3	89.6	89.4	100.2	100.0	90.4	90.2	100.2	99.6	27.8	27.4	101.4	109.0	176	173	101.7	102.3
D2	5.6	5.6	100.0	87.5	89.2	89.4	99.8	99.6	91.3	91.6	99.7	100.6	27.4	27.0	101.5	107.4	189	173	109.2	109.9
P2	5.5	5.5	100.0	85.9	88.1	88.2	99.9	98.3	90.3	90.4	99.9	99.4	26.0	25.0	104.0	102.0	179	188	94.7	103.5
V2	6.3	6.5	96.9	98.4	90.0	90.2	99.8	100.4	90.3	90.5	99.8	99.4	24.2	24.2	100.0	94.9	170	167	101.8	98.8
Z2		7.1				89.8				90.5				25.7				178		
B3		5.9				90.2				90.5				27.0				166		
I3	5.5	6.0	91.7	85.9	89.8	89.6	100.2	100.2	92.0	91.3	100.8	101.3	23.1	23.6	97.9	90.6	166	166	100.0	96.5
L3		5.8				90.3				90.6				26.0				170		
N3	6.7	6.9	97.1	104.7	90.2	90.5	99.7	100.7	91.3	91.3	100.0	100.6	25.7	25.7	100.0	100.8	190	184	103.3	110.5
T4		5.1				90.3				90.6				24.1				164		
FKBG DATA																				
CUR. AV.	6.2				89.5				91.0				25.5				175			
CUM. AV.	6.4				89.6				90.8				25.5				172			
IND. *D	96.9				99.9				100.2				100.0				101.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1933

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1	6.7	6.4	104.7	106.3	90.6	89.8	100.9	101.1	91.7	91.2	100.5	101.0	25.5	25.6	99.6	100.0	159	157	101.3	92.4
C1	8.5	7.4	114.9	134.9	90.0	90.0	100.0	100.4	90.4	90.4	100.0	99.6	27.4	26.4	103.8	107.4	179	184	97.3	104.1
D1	7.0	6.8	102.9	111.1	89.5	89.6	99.9	99.9	90.3	90.6	99.7	99.4	23.6	23.2	101.7	92.5	175	179	97.8	101.7
E1		6.3				88.7				90.2				26.8				168		
G1		4.5				88.7				91.9				26.0				173		
V1	6.3	6.5	96.9	100.0	89.3	89.3	100.0	99.7	90.7	90.5	100.2	99.9	24.7	25.5	96.9	96.9	184	177	104.0	107.0
W1		6.0				89.4				91.1				26.9				163		
C2		8.2				89.5				90.3				27.4				174		
D2	5.9	5.6	105.4	93.6	89.5	89.4	100.1	99.9	91.4	91.6	99.8	100.7	27.4	27.0	101.5	107.4	179	175	102.3	104.1
P2	5.5	5.5	100.0	87.3	87.9	88.2	99.6	98.1	90.1	90.4	99.7	99.2	25.9	25.1	103.2	101.6	175	187	93.6	101.7
W2		6.4				90.2				90.5				24.1				167		
Z2	6.7	7.1	94.4	106.3	89.4	89.8	99.6	99.8	90.5	90.5	100.0	99.7	24.8	25.8	96.1	97.2	173	178	97.2	100.6
B3	5.8	5.9	98.3	92.1	90.4	90.2	100.2	100.9	90.7	90.5	100.2	99.9	26.0	27.0	96.3	102.0	167	166	100.6	97.1
I3	5.5	6.0	91.7	87.3	89.0	89.7	99.2	99.3	91.2	91.4	99.8	100.4	22.4	23.5	95.3	87.8	172	165	104.2	100.0
L3		5.8				90.3				90.6				26.0				170		
N3	6.9	6.9	100.0	109.5	89.6	90.4	99.1	100.0	90.5	91.3	99.1	99.7	25.6	25.7	99.6	100.4	186	184	101.1	108.1
T4		5.1				90.3				90.6				24.1				164		
FNBG DATA																				
CUR. AV.	6.5				89.5				90.8				25.3				175			
CUM. AV.	6.3				89.6				90.8				25.5				172			
INC. *D	103.2				99.9				100.0				99.2				101.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1983				AUGUST, 1983				SEPTEMBER, 1983			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		171.0			193.0	165.0	117.0	128.4	185.0	179.0	103.4	123.0
C1												
D1	159.0	167.3	95.0	105.5	141.0	166.8	84.5	93.8	143.0	163.6	87.4	95.1
E1	136.0	143.0	95.1	90.2		141.2				141.2		
G1												
V1												
H1												
C2	110.0	114.0	96.5	73.0	128.0	113.0	113.3	85.2		116.0		
D2					164.0			109.1		164.0		
P2	155.0	150.8	102.8	102.8	154.0	151.4	101.7	102.5	155.0	151.7	102.2	103.0
V2		153.5			157.4	153.9	102.3	104.7		154.1		
Z2	135.0	136.8	98.7	89.6		136.3			143.0	136.6	104.7	95.1
B3	135.0	137.4	98.2	89.6		137.2			133.0	137.2	96.9	88.4
I3	171.0	152.2	112.4	113.5	163.0	154.8	105.3	108.4	163.0	154.8	105.3	108.4
L3		148.5				148.5				148.5		
N3	150.0	156.4	95.9	99.5	163.0	157.0	103.8	108.4	131.0	157.6	83.1	97.1
T4	160.5	146.7	109.4	106.5		160.5				160.5		
FNBG DATA												
CUR. AV.	145.7				157.9				150.4			
CUM. AV.	150.7				150.3				150.4			
IND. *C	96.7				105.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

JULY, AUGUST, SEPTEMBER, 1983

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Procedure: Time	Temp., °F	RH, %	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	No
C1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
D1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E1	Yes	--	73	50	Yes: 73 ± 2°F; 50 ± 2% RH
F1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G1	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
H1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
W1	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
Y1	No	--	--	--	No
C2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
D2	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
G2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
K2	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
P2	No	--	--	--	Yes: 73°F; 50% RH
Q2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
V2	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
X2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
B3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
D3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
F3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
G3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
I3	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
J3	No	--	--	--	No
K3	No	--	--	--	Yes: 73°F; 50% RH
L3	No data was submitted for this quarter				
M3	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
N3	No	--	--	--	Yes: 73°F; 50% RH
O3	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
P3	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
Q3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
R3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
S3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
W3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
X3	No	--	--	--	Yes: 73°F; 50% RH
C4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D4	No data was submitted for this quarter				
G4	Yes	20 min	--	--	Yes: 72 ± 3-5°F; 50 ± 2% RH
H4	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
I4	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
L4	No data was submitted for this quarter				
M4	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
O4	No data was submitted for this quarter				
P4	No data was submitted for this quarter				
Q4	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
T4	No	--	--	--	No
U4	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

---

[a]CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b]CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.